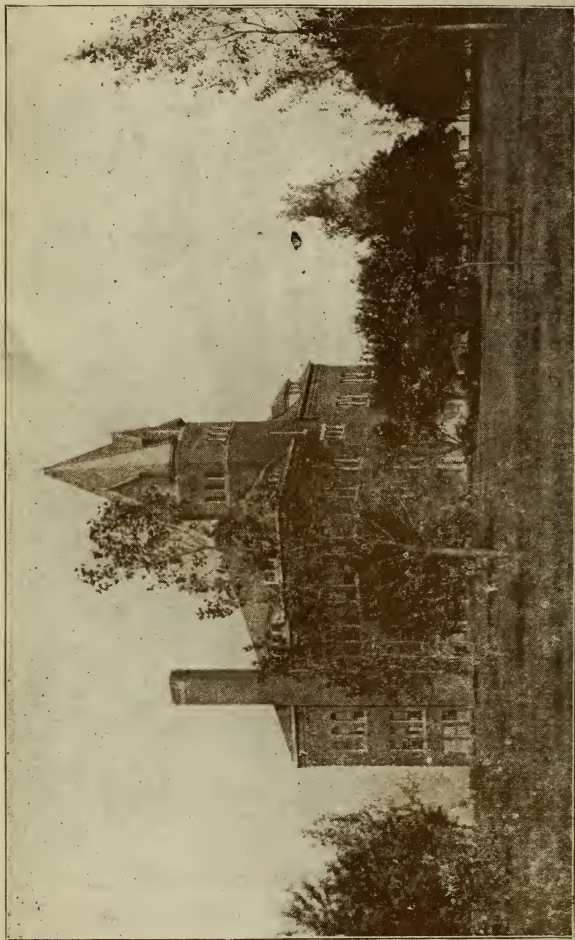


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1916

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VOL. 8

MAY, 1916

NO. 1

Taylor University BULLETIN

TERMS OPEN

September 20, 1916 December 27, 1916

March 21, 1917

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ANNOUNCEMENT for 1916-1917

MAY 1916

UPLAND, INDIANA

Entered as Second Class Matter at Upland, Indiana, April
8th, 1909, Under Act of Congress of July 16, 1894.

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CALENDAR FOR 1916

JULY								AUGUST								SEPTEMBER							
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CALENDAR FOR 1917

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OCTOBER								NOVEMBER								DECEMBER							
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28	29	30	31	25	26	27	28	29	30	..	23	24	25	26	27	28	29
..	30	31

UNIVERSITY CALENDAR

1916

September 19, 7:00 P. M.—Faculty Meeting.

September 20 and 21, Wednesday and Thursday,
—Fall Term Opens. Registration.

December 11 and 12, Monday and Tuesday—
Term Examinations.

December 13, Wednesday—Holiday Vacation
Begins.

December 27, Wednesday—Winter Term Opens.
Registration.

1917

February 1, Thursday—Day of Prayer for Col-
leges.

March 19 and 20, Monday and Tuesday—Term
Examinations.

March 21, Wednesday—Spring Term Opens.
Registration.

May 2 (Bishop Taylor's Birthday)—Patron's
Day.

June 7 and 8, Thursday and Friday—Term
Examinations.

June 7-13—Exercises of Commencement Week.

June 10, Sunday—Baccalaureate and Annual
Sermons.

June 13, Wednesday—Seventy-first Annual Com-
mencement.

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J. D. Bell	Upland, Ind.
W. D. Parr, D. D.	Kokomo, Ind.
Dr. S. A. Shoemaker	Bluffton, Ind.
H. C. Snyder	Pitman, N. J.

TERM EXPIRES 1917

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T. M. Hill	Fort Wayne, Ind.
H. L. Liddle	Walton, Ind.
D. H. Kenney	Philadelphia, Pa.
W. B. Woodrow	Collingswood, N. J.
F. H. Hoose	Philadelphia, Pa.
John L. Thompson	Gas City, Ind.
Arthur E. Curless	Swayzee, Ind.

TERM EXPIRES 1918

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J. H. Crankshaw	Norristown, Pa.
William Gisriel	Baltimore, Md.
John Campbell	Huntington, Ind.
*C. B. Stemen, M. D., LL. D.	
W. W. Martin, D. D.	Muncie, Ind.
D. L. Speicher	Urbana, Ind.
W. B. Freeland	Kokomo, Ind.

*Deceased.

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H. T. Connelly	C. C. Ayres
J. D. Bell	H. L. Liddle
Dr. S. A. Shoemaker	John L. Thompson

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D. L. Speicher	Dr. S. A. Shoemaker	J. D. Bell
John Campbell	Dr. W. W. Martin	Dr. W. D. Parr

AUDITING COMMITTEE

D. L. Speicher	T. M. Hill	W. W. Martin
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COMMITTEE ON DEGREES

Monroe Vayhinger	C. C. Ayres	G. W. Mooney
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FACULTY

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Moores Hill College; Garrett Biblical Institute.
President.

BURT W. AYRES, A. M., PH. D.
DePauw University; Taylor University.
Dean of the University.
Mathematics and Philosophy.

NEWTON WRAY, B. D., D. D.
DePauw University; Drew Theological Seminary.
Systematic and Exegetical Theology.

GEORGE SHAW, A. B., B. D.
Hamline University; Drew Theological Seminary.
Hebrew and Historical Theology.

I. B. PEAVY, M. PD.
Grove City College; Northwestern State Normal;
Pennsylvania State University.
Principal of Academy.
Biology and Physics.

FLORENCE E. COBB, A. B.
Kent's Hill College; Curry Expression School, Boston.
Oratory.

GEORGE FRANCIS LEE, A. M., B. D.
New York University; Union Theological Seminary.
Registrar.
Greek.

MRS. MARY GILBERT WRAY
History.

MARY DALE BENTON, A. B.
Oakland City College; Indiana University.
Latin.

GEORGE WHITFIELD RIDOUT, D. D.
Methodist College, Newfoundland; Temple University,
Philadelphia.
Biblical and Pastoral Theology.

MARIE ZIMMERMAN, A.B., PH. D.
University of Michigan; University of Chicago.
German and English.

OLIVE MAY DRAPER, A.B., A. M.
Taylor University.
Chemistry and Mathematics.

MRS. EDITH HOLLIDAY, A. B.
Bryn Mawr College.
English.

EDITH D. OLMSTED
Ithaca Conservatory.
Vocal Music.

E. A. GOWEN
Kullak Conservatory of Music, Berlin, Germany;
Guildhall School of Music, London, Eng.
Director Piano Department.
Harmony, Counterpoint.
History of Music.

SADIE L. MILLER
Taylor University.
Piano.

MRS. H. M. KIRKLAND
Lynn Business College.
Bookkeeper.
Commercial Department.

MRS. MARY O. SHILLING
Art.

IRENE DILL
Meridian Female College.
Domestic Art.

Instructors and Assistants

B. R. OPPER, A. B.
Algebra.

CORA FALES, A. B.
Grammar and Arithmetic.

LEAH MILES
Piano.

BELLE GUY, A. B.
Reading and Spelling.
Physiology.

FRANCIS PHILLIPS, A. B.
Physical Geography.

LULU RUPPERT, A. B.
History.

MARGARET DEMAREE
Shorthand and Typewriting.

P. B. SMITH
Penmanship.

R. H. WILLIAMS
Latin.

VERE W. ABBEY
Chemistry.

C. J. BUSHEY
Physics.

LOIS M. VAYHINGER
Chemistry.

M. O. ABBEY
Superintendent of Buildings and Grounds.

Officers and Committees of Faculty

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President.

B. W. AYRES
Dean.

G. FRANCIS LEE
Registrar.

ETHEL L. MABUCE
Assistant Registrar.

SADIE L. MILLER
Preceptress.

M. DALE BENTON
Secretary.

RANKING COMMITTEE

B. W. Ayres M. Dale Benton G. Francis Lee

LIBRARY COMMITTEE

G. Francis Lee Newton Wray Florence Cobb

ATHLETIC COMMITTEE

Florence Cobb Olive May Draper I. B. Peavy

LIBRARIANS

Mrs. Rose Vickery Lulu Ruppert Mrs. L. H. Jones

Lecturers and Evangelists

Rev. A. S. Preston: Wendell Phillips.

Rev. Will F. Smith.

Rev. H. A. Depfer, Evangelist.

Rev. A. P. Gouthey, Evangelist.

Miss Elizabeth Hoge: The Sky Pilot.

Rev. J. C. Wengatz, Missionary.

Mrs. J. C. Wengatz, Missionary.

Rev. Slater, Missionary.

Rev. DeWeerd, Missionary.

Dr. J. M. Springer, Missionary.

Dr. Lip, Missionary.

Dr. J. Gregory Mantle, Evangelist.

Hon. James Watson: Find Your Place and Fill It.

Rev. R. M. Kell, Evangelist.

H. W. Holding, Missionary.

GENERAL INFORMATION

LOCATION

Taylor University is located in Upland, Indiana. Upland received its name from the fact that it is the highest point of land on the Pennsylvania Railroad between Columbus, Ohio, and Chicago, Illinois. Upland is on this main double-tracked line, one hundred forty-five miles from Columbus and one hundred sixty-nine miles from Chicago. It is twelve miles east of Marion and seven miles west of Hartford City. Seventy-five miles northeast of Indianapolis.

The University grounds are one mile south of the railroad station, which is almost in the center of the town. The main campus lies just outside the corporate limits of Upland. It occupies a slightly elevated position which gives a commanding view of the surrounding country.

HISTORY

The Ft. Wayne Female College was organized in 1846. In 1852 it was united with the Collegiate Institute of the same place and became the Ft. Wayne Methodist Episcopal College, a co-educational school. In 1890 it passed under the control of the National Association of Local Preachers of the Methodist Episcopal Church and its name was changed to Taylor University. It was named for the first Missionary Bishop to Africa from the Methodist Episcopal Church, and one of the greatest missionaries of modern times. After personal visitation and examination into the character and work of the University, Bishop Taylor gave his hearty endorsement, prayed for it three times every day and assisted it by his influence and with his means. It found a place in his great heart because of its deep spirituality, its missionary enthusiasm and its interest in students needing financial assistance. He said, "Surely this work is of God," and all who have seen its output of Christian

manhood and womanhood are convinced that "this work is of God."

On July 31, 1893, the institution was rechartered and moved to its present location, Upland, Indiana. Rev. T. C. Reade, LL. D., was President at the time the location was changed from Ft. Wayne to Upland. In its new location it began with a campus of ten acres of land and \$10,000.00 donated by the citizens of Upland. The energy, consecration and self sacrifice of President Reade and his helpers built up the institution from these small beginnings. The rates were made extremely low that a college education might be placed within the reach of the common people. Taylor University opens the door of opportunity to young people who could not otherwise secure an education. The appeals for financial help have been made largely to the common people and with these small gifts that often meant a great sacrifice, have come fervent prayers for the school. The praying constituency of Taylor University is the great resource in maintaining the high spiritual life of the school. The sacrifice of the Trustees, Faculty and friends of the school have brought the school up to where it has the respect of the educational world and the confidence of the spiritual element of the church. The past six years have been especially marked for growth in attendance and material advancement.

The Helena Gehman Music Hall, made possible by the bequest of \$7,000.00 from Mrs. Helena Gehman of Urbana, Ohio, is a beautiful two story brick building with a basement. This gift from Mrs. Gehman was supplemented by the sum of \$2,400.00 given by Mr. and Mrs. Israel B. Shreiner of Lancaster, Pa., and smaller sums by many other friends of the school. This building contains the beautiful Shreiner Auditorium on the second floor, the studios and practice rooms of the School of Music on the main floor, and the gymnasium, with dressing rooms and shower baths, in the basement.

The central heating plant, which furnishes steam

for the two large public buildings and four dormitories, is located on the campus.

Extensive improvements have been made in Wright Hall. The basement has been worked over and made into laboratories and recitation rooms.

A new Perry water system has been installed that furnishes water for all the college buildings and to the residences in the immediate vicinity.

A sewage disposal plant has been constructed, and lavatories, sanitary drinking fountains, and electric lights have been installed.

Extensive cement walks connecting the school with the town have been laid.

All these improvements were necessary. The constantly increasing enrollment demanded more room and other conveniences necessary to the efficiency of the school.

The value of real estate has greatly increased in price, yet building sites are extremely low priced. Persons wishing to locate here for the educational advantages, will find the prices extremely reasonable. Now is the time to procure property. The school community is growing. The school enrollment is constantly increasing, so that the price of property will continue to improve.

OPPORTUNITY

There is nowhere a greater opportunity for friends of spiritual culture to help on the great work for the kingdom than here at Taylor University. She should be lifted out of debt and endowed. Every alumnus, every old student, every one with a deep devotion and Christian zeal should join in this forward movement of Taylor University. The beautiful sacrificial life of President T. C. Reade is an incentive, and the time is propitious to put ourselves back of this great institution. Write to President M. Vayhinger telling him what you will do.

A MONUMENT TO BISHOP WM. TAYLOR

Taylor University is the living monument to the

memory of the late Bishop Wm. Taylor. No monument could be more appropriate than a school where young men and young women may be fitted for the great life that he lived. The mantle of Bishop Taylor seems to have fallen on the school, and many of the students go out with the same missionary spirit and evangelistic zeal as this great Bishop. Will you join in building up this great memorial?

SAMUEL MORRIS

There have been few lives of young people that have shown a closer walk with the Lord than that of Samuel Morris. He entered Taylor University immediately after landing in this country. His life was a benediction to the school and was one of the great factors in lifting the spiritual tone of Taylor University. A booklet giving the history of this boy has been written and has been a blessing wherever it has been read. It started a revival in the Hawaiian Islands that swept the entire community. It stimulates revivals wherever it goes. Its spread over the entire land would insure a world-wide revival. Taylor University now owns the copyright of this book and can supply them in any quantity. 10c each; 3 for 25c; 75c a dozen; 17 for a dollar. Discount to the trade.

PATRONIZING TERRITORY

The patronizing territory of Taylor University is perhaps the largest of any school of its size in the world. Thirty-three counties of Indiana are represented, twenty-seven states and twelve different countries.

MINISTERS AND MISSIONARIES

Out of an enrollment of three hundred and thirty-one, there are one hundred thirty-six candidates for the ministry and mission field. There are forty-two volunteers for the foreign field. There are forty men candidates for the mission field in the other twenty-one colleges and normal schools of Indiana. The comparison will show the great missionary spirit of this school.

CONTROL AND MANAGEMENT

The University is a corporation, created under the laws of the State of Indiana. It is under the control of the National Association of Local Preachers of the Methodist Episcopal Church acting through a Board of Trustees, twenty-one in number, one-third of whom are elected annually to serve for three years. The annual meeting of the Board of Trustees is held on Tuesday of Commencement week.

The President of the University and the Trustees residing at or near Upland constitute the Executive Committee. It meets on the second Monday night of each month to transact such business as requires attention during the interval between the regular meeting of the Board of Trustees.

The school is in the broadest sense denominational—not sectarian—and cordially welcomes students of all evangelical denominations, and all other persons of good moral character who desire to secure an education. It has been officially approved by the North Indiana Annual Conference of the Methodist Episcopal Church, by several Holiness Associations, and by the National Young Men's Holiness League.

AIM

The aim of Taylor University is to develop well-rounded men and women. The great question is, under what circumstances can the best intellectual attainment be secured? The spiritual atmosphere in which one receives his intellectual training is vital. It is a well known fact that many of our educational institutions are given to worldliness. In such an atmosphere spiritual life cannot thrive. Alas! how many young people lose their spiritual life in a worldly college! The motto of Taylor University is "Holiness Unto the Lord." The Bible teaches the possibility and the necessity of Entire Sanctification. We teach the whole Bible as a means of attaining the highest type of manhood. Students of seventeen denominations are represented, and the only effort is to

make exemplary Christian men and women out of them. Each morning and each Sunday afternoon the school assembles for public worship. Classes are frequently opened with prayer or singing or both. These and other religious exercises will aid in the spiritual development.

As Taylor University has trained so many young men for the ministry, some have thought that her work was devoted exclusively to the training of ministers and missionaries. This is not the case; while we have the Theological Department, we have the Academy and College which offer the general culture necessary for any of the learned professions, and which prepare for any honorable vocation. While young men and young women preparing for special Christian work are naturally attracted here, because of the religious atmosphere, earnest young people preparing for other walks of life will find courses of study to meet their needs, and will also receive spiritual help while training their intellects.

The church can well afford to put its thousands and even its millions into an institution where is nourished that simple faith that brings the old time zeal and fervor and fire and power into the Christian life and Gospel ministry.

CHURCHES AND RELIGIOUS SERVICES

The University co-operates with the churches of Upland and a very cordial relationship exists. The Sunday morning services at the churches are attended by the larger number of students and teachers. Many also attend the evening services. The students are active in the Sunday School and in the Young People's societies. The young ministers of the school and members of the Faculty are frequently invited to occupy the pulpits of the various churches of the town.

The services held each Sunday afternoon in the College Chapel are not in conflict with regular services at any church, and a number from town frequently attend.

Besides the frequent meetings of Prayer Band, Volunteer Band, and Young Men's Holiness League, there are class meetings held each Tuesday evening from 6:30 to 7:30. For these class meetings the student are divided, the young men and the young women meeting separately. The general prayer-meeting on Thursday evening from 6:30 to 7:30 is attended by almost the entire school and is a time of great spiritual refreshing.

GOVERNMENT

Every student is expected to know and to follow the ordinary standards of courtesy and morals. Students and faculty co-operate in the maintenance of these principles. The institution has rules for the government of the conduct of its students and every student is understood to pledge himself to obey them when he enters. A booklet containing regulations for the guidance of the student is furnished each upon entrance. In case our confidence is betrayed the offender is kindly but firmly dealt with. Special attention is called to the following rules:

Profanity, card-playing, and the use of tobacco in all its forms are not tolerated.

Hazing, brutality, boxing and foot-ball are prohibited. Students are not permitted to engage in athletic contests with other institutions, but are encouraged to engage to a reasonable extent in all healthful exercises and athletic sports among themselves, except foot-ball.

GROUNDS AND BUILDINGS

The campus contains ten acres. This has been beautified by adding to the few native trees that were here when the buildings were erected numerous trees from forest and nursery. These have grown to such size as to give the campus a very beautiful appearance in summer.

Besides the main campus the institution has a number of lots some of which are adjacent to the campus and some farther removed. On these are located dormitories and cottages.

H. Maria Wright Hall is the main building and is located near the center of the campus. It contains recitation rooms, laboratories, library and museum.

Helena Memorial Music Hall is located south-east of H. Maria Wright Hall. This building was made possible by the bequest of \$7,000 by Mrs. Helena Gehman of Urbana, Ohio. The name was designated in the will. A bronze tablet bears this inscription: "Erected in honor of Rev. B. W. Gehman a Pioneer local Preacher of Urbana, Ohio, 1911." While the building was made possible by this bequest, its cost is more than double this amount. A gift of \$2,400 by Mr. and Mrs. Israel B. Shreiner, and other smaller gifts have been put into this building.

The School of Music occupies the main floor of this building. The second floor contains besides two music practice rooms, a large room to be used for musical Recitals and Chapel Exercises. The basement story, with a ceiling height of about fifteen feet, contains a gymnasium and dressing rooms and shower-bath rooms for both sexes.

Central Heating Plant is a neat brick structure. The building contains a commodious boiler room, a coal bin and a work shop. The system of heating installed is the Warren Webster Vacuum system of steam heating.

Just before the building was erected an eight-inch water-well two hundred seven feet deep was drilled into the rock. Connected with this a new water system has been constructed.

Sickler Hall is a men's dormitory, located on the northwest corner of the campus.

Samuel Morris Hall is a men's dormitory, located about a half block from the campus.

Israel B. Shreiner Hall is a woman's dormitory, located about two and one-half blocks from the campus.

Speicher Hall is a woman's dormitory, located on a lot adjacent to the campus.

Swallow-Robin Dormitory. Rev. Silas C. Swal-

low and Mrs. Silas C. Swallow (nee Robin) offered Taylor University \$5,000.00 for a ladies' dormitory provided a like amount be raised by January 1st, 1916. The amount was secured and the dormitory will be built the coming summer. The student body has been growing so rapidly that a much larger dormitory is needed than this will build so contributions are being taken and will be taken until its completion in order that the dormitory may be large enough to house the young ladies. This will afford a very comfortable home for the lady students.

Dining Hall is located near the main entrance to the campus. The first floor of this contains the college dining room and kitchen. The second floor is occupied by dormitory rooms for women.

Cottages. Several cottages of from three to six rooms are rented to married students who wish to continue their education, or to small families who have children to educate.

STUDENT'S SUPPLY STORE

The University conducts a book store at which students can purchase at the usual retail prices all text books used in the classes of the school, as well as all other necessary student's school supplies, such as tablets, pencils, ink, toilet articles, etc.

LIBRARY

The Mooney library, largely a gift of George W. Mooney, D. D., contains over six thousand volumes. It is open during the day and the students have free access to the shelves under the direction of the librarian. The books are classified according to the Dewey system. The reading tables contain numerous files of daily newspapers and best general and scientific magazines.

OBSERVATORY

The Clippenger Observatory is located near the south side of the campus. It is named in honor of Dr. Charles L. Clippenger, former dean of the Univer-

sity. The telescope is a ten and one-half inch reflector, equatorially mounted. It brings clearly to the view the lunar craters, rills and rays, the satellites of the different planets, the rings of Saturn and various star clusters and nebulae. This instrument is sufficiently large for all class purposes, but is not so ponderous and unwieldy as to be of little practical benefit to the students.

LABORATORIES

The Science Lecture Room has forty tablet-arm opera chairs, a lecture desk, a large static machine, and a new stereopticon. The desk is fitted with gas, water, steam, compressed air, and both direct and alternating currents of electricity. The current is supplied from a step-down transformer and current rectifier giving from three to nineteen volts from a hundred ten volt current.

The Physics Laboratory is equipped with the necessary apparatus for laboratory and demonstration work. The room has gas, water, and both direct and alternating currents of electricity. The following instruments are of special importance. A ten, thirty inch, plate induction machine with X-ray apparatus; an electro magnet of one thousand pounds strength; and a wireless telegraph instrument. The above instruments were made at the University. A demonstration air pump, a new optical disk, a dynamo, and a motor are also articles of importance.

The Chemical Laboratories. There are two chemical laboratories, the general and the analytical. Each furnishes desk room for twenty-four students and is supplied with gas, water, and electricity. The new analytical laboratory has, besides a sectional hood, steam baths, compressed air, two analytical balances, a drying oven, and other equipment for analytical work. The laboratories are well supplied with the equipment necessary for the various courses.

The Biological Laboratory has sixteen compound microscopes, a paraffine bath, microtomes, and such minor apparatus as dissecting lenses, straining jars

and cabinets. The equipment is thoroughly adequate for the needs of the courses.

The Walker Museum. The museum consists of specimens illustrating Zoology, Geology, Mineralogy, Botany, Archaeology, and of curios. They are of great advantage to students in comparative studies, especially in Zoology and Geology. We solicit donations of both specimens and furnishings.

STUDENT ORGANIZATIONS

The Literary Societies. There are two Literary Societies whose membership is open to both young men and young women. These societies are called the Philaethean and Thalonian and they meet in the Society Hall every week, where they render programs of high moral tone. There is just enough friendly rivalry between the two societies to keep up a lively interest in their work.

The Debating Clubs. The young men have two Debating Clubs; the Eulogonian and the Eureka. The young women have one—the Soangetaha. The membership of each is limited. These Debating Clubs are drilling their members to think logically and quickly, and to appear on the public platform without embarrassment.

The Prohibition League. This organization has a large membership. It has various methods of work but is always aggressive and keeps the Prohibition question before the student body. During the past year its custom has been to give a public program occasionally and these programs have been interesting, instructive, and well attended. The Faculty has installed a course of Study, Social Welfare and the Liquor Problem, as recommended by the Inter-collegiate Prohibition Association. See description of courses under Social Science IV. This organization is a member of the Indiana Prohibition Association and holds its annual local oratorical contest, for which prizes are offered. The winner represents the institution in the State Contest. In 1915 Roy Ellinghouse

was Taylor's representative and took the state contest prize of fifty dollars cash. During the existence of this State Association, Taylor has taken first place many times.

Taylor University Holiness League. This organization plays an important part in the spiritual life of the institution. It meets every Friday evening from 6 to 7 o'clock and there is no doubt that the prayers offered in the Holiness League are of real help to the school.

The Prayer Band. This is another important factor in the spiritual life of Taylor. It meets every Wednesday evening for an hour of prayer and testimony and it is no uncommon thing for souls to find God in these Prayer Band meetings.

The Student Volunteer Band. Spiritual power and the missionary spirit always go hand in hand. Knowing Taylor's spiritual status, then, one would expect the missionary spirit to be strong, and it is. The Volunteer Band has a membership of about forty and meets once a week for prayer and testimony. It furnishes missionary literature for the Library. Many of its former members are now doing effective work in foreign fields.

The Ministerial Association. In 1915 a band of students contemplating entrance upon special fields of the Christian ministry organized themselves for weekly meetings. There by members of the Faculty and other religious workers they are instructed how to meet present day problems in the actual ministry and how to bring about the best results for God's Kingdom. To unite the hearts of those entering upon the Lord's work with one common purpose, the salvation of souls, is another chief aim of this organization. Membership is voluntary and no dues are charged.

The Male Quartette. This quartette is much in demand for concerts at Prohibition meetings, revival services and camp meetings. Not only do they sing in beautiful harmony, but they are consecrated young

men and well represent the spirit of the school. The camp or church that secures their services will be indeed fortunate.

Orchestra. The Orchestra is a student organization with a constitution and by-laws. It is under the supervision of some member of the Faculty of the School of Music.

The Expression Club. The Expression Club is by no means an unimportant factor in the school life of Taylor. Its membership comprises those who have studied expression in this institution. One of its most pleasant features is a recital now and then. One of its practical works is the furnishing of the Expression Room.

The Athletic Association. This is the youngest of the student organizations and it is very much alive. Its membership includes the whole student body. Its purpose is to promote the interests of good, clean, athletics, and to improve the equipment of the gymnasium, tennis courts, etc. The organization, through its officers, the basket-ball manager, the base-ball manager and the tennis manager, has charge of all apparatus for outdoor sports. All control of funds is in the hands of a joint committee of seven members—the Physical Director for men, three members of the Faculty and three students chosen by the Athletic Association. It is purely a student organization, with a constitution and by-laws approved by the Faculty and conforming to the general rules of the school in regard to athletic sports. All games are confined to our own students on our own grounds.

CONTESTS AND PRIZES

All participants in any contests must be students enrolled for the full term in which the contests occur, and must be taking work enough to require at least three-fourths of regular tuition in that term.

No student shall be eligible for scholarship or contest honors whose deportment record, in the estimation of the Faculty has rendered him unworthy of such honors.

Preston Prize. Thomas J. Preston, Ph. D., of South Orange, New Jersey, offers a Fifty Dollar Gold Prize for Debate. This prize was originally established by the late Dr. Louis Klopsch of New York, and was known as the *Christian Herald* prize. Since the death of Dr. Klopsch, Dr. Preston has furnished the prize. The number of the debaters is four, two being chosen from each of the two Literary Societies, the two from the same society being on the same side of the question. The contest is held in Commencement week. No person who has taken the first prize will be permitted to compete a second time. It is a great honor to be chosen as a debater in this contest. The successful contestants in 1915 were N. E. Hanson and H. G. Robson, representing the Thalonian Literary Society.

Certificate Prize. Many years ago, George W. Mooney, D. D., of Tabor, New Jersey, Secretary of the Board of Trustees, established a Certificate of Honor prize for the better of two Orators, of two Readers, of two Essayists, of two Vocal Soloists, of two Piano Soloists. Each of the two Literary Societies selects a contestant for each prize. These contests are held in Commencement week each year. No person who has taken one of these prizes can compete a second time for the same prize. The successful contestants in 1915 were: For Oration, N. A. Christensen, Thalonian; for Reading, Edna Bennett, Philalethean; for Essay, W. W. Long, Philalethean; for Vocal Solo, Robert Morris, Thalonian; for Piano, Ose-line Hancock, Philalethean.

Prohibition Oratorical Contest. For several years the University has had a large Prohibition League. This is a part of the system of Intercollegiate Prohibition Leagues. One important feature of the work is the Prohibition Oratorical Contest. A local contest is held in February or March by each College League and the winners in each state compete for state honors. A section containing several states then holds an Interstate Contest and the winner represents this

section of the states in the National Contest. The local League usually offers a cash prize to the best orator; this year it was fifteen dollars for first winner, six for second and four for the third. The State prize is usually fifty dollars for the first place and a smaller sum for second. The Interstate and National winners get larger sums.

In 1915 Mr. Roy Ellinghouse won the local contest and represented Taylor University in the State Contest held at Earlham College. In this he won first place.

Parr Prize in Oratory. Rev. W. D. Parr, D. D., of Kokomo, Indiana, gives a prize of twenty-five dollars for excellence in oratory. This amount is divided into a first prize of twenty dollars, and a second prize of five dollars. Candidates for this prize must be from the College department. This contest is one of the features of the Commencement season.

Mr. J. D. Druschel won first place and Miss Sybilla Steelman second place in 1915.

J. McD. Kerr Prize in Oratory. Rev. J. McD. Kerr of Toronto, Canada, has established a prize in oratory, for theological students. The prize, twenty-five dollars, in cash, is given under the following rules:

1. Applicants for this contest must be enrolled for not less than fifteen term-hours for each of at least two terms in the Theological Department; provided no one shall be admitted to this contest without the endorsement of the Department and no winner shall compete a second time.

2. The subjects of the orations must be evolved from materials that lie in the fields of this department. In addition to topics discussed in Systematic Theology—or suggested Biblical studies, themes may be formulated from such courses as: Christian Evidences, Comparative Religion, Christian Ethics, Sociology, and Church History.

3. The orations shall contain not less than two thousand nor more than twenty-five hundred words.

4. The manuscripts of contestants must be submitted not later than May 1, to a committee of professors from the Theological and Oratorical Departments.

5. The judges to decide this contest shall be three persons, two of whom shall be ministers or theological professors, to be selected by the President, the Dean, and one of the Theological professors.

6. The successful contestant shall furnish the donor of the prize a neatly typewritten or printed copy of the oration.

Miss Anna Belle Guy won this prize in 1915.

Peace Contest in Oratory. Every year in March or April a local contest conducted under the regulations of the Intercollegiate Peace Association is held at Taylor University. In 1916 there were seven local contestants and J. D. Druschel represented the institution at Bloomington where the state contest was held.

Anti-Tobacco Contest. In 1915 S. B. Goff, an ardent opposer of tobacco and its use in any form, desiring to increase public sentiment against the evil gave twenty-five dollars to be awarded as prizes to the winners in an Anti-Tobacco Contest at Taylor. Seven contestants delivered orations, February 29, 1916, B. R. Pogue winning the first prize of fifteen dollars in cash; Roy Ellinghouse second prize of ten dollars in cash.

Hill-Sprague Prize in Vocal Music. This prize is given by Rev. Melvin J. Hill and Rev. James A. Sprague. This provides for two contests, one between the men and one between the women. In each of these contests there is a first prize of ten dollars, and a second prize of five dollars, on the following conditions:

1. Only those are eligible who are students in the Vocal or Piano department of Taylor University.

2. Anyone not having received the first prize will be eligible to participate.

3. Judges must be reputable non-resident vocal

music teachers or vocal musicians.

4. The date of the contest shall be arranged by the President of the University and Director of Vocal Music.

In 1915 the winners of the first prizes were Miss Ida Stephens and Mr. Robert Morris; of the second, Miss Helen Raymond and Mr. Charles Blooah.

Withdrawn after 1915.

Sadie Louise Miller Scholarship Prize. Sadie L. Miller, Professor of Piano in Taylor University, has established a scholarship prize for students in the Senior year of the Academy. This prize will be a certificate issued to the student in the fourth year of the Academy course who makes the highest average grade for the year. This certificate will be good for tuition in the Freshman year of the College course and the student must carry at least fifteen recitations a week in class work. The following rules govern this prize:

1. No one is eligible who is carrying less than full work.

2. At least ten recitations a week throughout the year must be in the fourth year Academy studies.

3. This certificate is not transferable and must be used the ensuing year; but if forfeited by failure to enroll at the beginning of the ensuing year, it will be transferred by the College to the student who under these rules made the next highest grades.

O. C. Brown won this scholarship in 1915.

Scholarship Prize. The University gives a scholarship prize to that student in the College of Liberal Arts who shall have attained the highest standing in classes for the entire year. This prize was awarded in June, 1915, to Mr. David Bloomster.

Whipkey Bible Prize. This prize, five dollars in cash, is given by Rev. A. J. Whipkey. The contest is open to Academic students who are enrolled in Bible 1, 2, 3 or 4. Anyone not having received the prize will be eligible to participate. The examination shall be given by the teacher or teachers of the Bible classes mentioned. E. W. Davis won this prize in 1915.

PHYSICAL TRAINING

Taylor University recognizes the need of physical development and encourages every effort in that direction.

The gymnasium is a well lighted and ventilated room with free floor space 33 by 65 feet. It is used for regular class work in physical training, and for exercise and games. The men and women have use of the gymnasium on alternate days. Different directors are provided for the two sexes. Apparatus is being added from time to time as funds permit. Besides this there are dressing rooms and shower baths for both sexes. They are provided with hot and cold water.

No student will be allowed upon the floor without gymnasium shoes.

The object of gymnastic training is, primarily, health. Each part should be developed in its proper relations to the rest of the body, and anything leading to unbalanced power should be avoided. Athletic skill in some particular direction, and great muscular strength may be very attractive, but usually they are acquired at the expense of other parts of the body. The exercises are chosen for their physical effects rather than for the muscular developments to which they lead. The movements are to encourage nature in her normal activity and also to prevent and overcome tendencies to abnormal development.

All students will be required to take Physical Training during the first two years after enrollment unless excused by the Faculty, in which case the work must be taken before graduation.

College students, whether or not they have taken the work previously, will be required to take it during the Freshman and Sophomore years, unless excused by the Faculty, in which case the work must be done before graduation.

The two years' work taken in College will constitute the six term-hour credits in Physical Training which are required for graduation.

Students will be excused from this requirement only because of some physical disability.

A fee of seventy-five cents per term is required at registration. This provides for the use of the gymnasium and baths and purchase of apparatus.

Physical Training for Men. The men's gymnasium classes and the athletic sports are under the supervision of the physical director. The training is of such a nature as to aid the body in all its functions. Special attention is also given to the correction of deformities.

Such sports as tennis, base-ball and basket-ball are permitted among our own students to a reasonable degree.

Physical Training for Women. The Swedish system of gymnastics is used, and the classes are conducted by a lady instructor who has been trained for this work. Personal attention is given to individual girls and their needs. Gymnasium suits are required.

GRADES

Grades are given in per cent on the scale of 100. The minimum for passing is 70; between 60 and 70 a condition; below 60 a failure. A failure requires the work to be taken again in class. A condition permits the work to be made up by special examination, provided it is made up by the end of the term following that in which the condition was made; otherwise a condition becomes a failure. The special examination fee of twenty-five cents a term-hour is charged for examination to remove conditions, but in no case will a fee of less than fifty cents be charged.

Incomplete work must be made up by the end of the term following that in which the work was taken or it becomes a failure.

Credit is not given toward graduation for a part of a course unless so specified in the description of the course.

No work will be counted toward graduation, in the College department, for which the grade is less than 75. And not more than sixty term-hours for

which the grade is less than 80. However, a grade of 70 excuses the student from taking the course again.

REGISTRATION

The first two days of the fall term and the first day of the winter and spring terms are devoted to the work of registration. New students should bring with them their credentials from the schools previously attended. These credentials should contain a list of the subjects pursued, the number of recitations a week, the number of weeks the work was taken, and the grade obtained in each subject. The credentials must be signed by the proper school officer. Students coming from other Colleges should bring certificates of honorable dismissal.

Sixteen "term-hours" shall constitute full work in all courses except the Academy. In this department the "unit" is the standard of credit, and four units will constitute full work. A UNIT is one-sixteenth of a High School course. A TERM-HOUR is one recitation a week for each term. No student will be enrolled for more than full work except by permission of the Dean. No student will be enrolled for fewer than twelve hours or for more than two hours above regular work except by permission of the Faculty, and the maximum for College students shall in no case exceed twenty hours. A student may not reasonably expect to be permitted to carry extra work unless his average for the preceding term has been at least ninety per cent.

In estimating the amount of work to be carried, and credit to be received, two and one-half hours of practice in private work in Music or Expression shall count as one period of regular class work. However, not more than two term-hours of credit will be given for one private lesson a week. In Drawing and Penmanship two periods shall count as one. These rules do not apply to charges. See Table of Expenses below:

A fee of one dollar will be charged all who present themselves for enrollment on other days than

those set apart for that purpose. After the days of registration a fee of twenty-five cents will be charged for any change in enrollment, except where such is made necessary by action of the College. A change of study list may be made by the Dean or Registrar during the first two weeks of any term, but after that time a change may be made only by a petition to the Faculty. A subject may be dropped after the fourth week of a term. The Faculty reserves the right to withdraw any elective course for any term if it is elected by fewer than five students. Regular tuition covers four unit studies in the Academy and sixteen hours in all other departments.

All students who enroll for twelve or more term-hours will pay the Incidental Fee of one dollar per term.

EXPENSES

In estimating the actual expense of attending any College several items must be taken into account. Board, room-rent, light, heat, laundry, and society expenses must all be considered in comparing the cost at different institutions. The prevailing sentiment in the student body of a College in favor of economy or extravagance, is as a rule, of greater consequence than the College charges. The sentiment here favors economy even by those having plenty.

An itemized statement of expenses is as follows:

TUITION AND INCIDENTAL FEE

Regular tuition, a term\$16.00

Incidental fee, a term 1.00

This covers four unit studies in the Academy and 16 hours in all other departments.

FOR MORE OR LESS THAN REGULAR WORK

Tuition, from 1 to 12 term-hours (with no incidental fee) a term-hour 1.25

Tuition, for extra hours, a term-hour 1.25

DEPARTMENT FEES

Music, one private lesson a week, piano, violin, organ, voice or harmony, one-half regular tuition. Additional lessons at the same rate.

The tuition for Penmanship and Art is double that for ordinary class studies, estimated on credit basis.

Bookkeeping, per term	\$ 7.50
Shorthand, per term	7.50
Typewriting, per term	7.50
Sewing, per term	7.00
Sewing System, for entire course	7.50
Cooking, per term	7.00
Oratory, private lessons, one hour	0.75
Harmony and ear training, two lessons a week, in class, a term	6.00
History of music, one lesson a week, a term..	3.00
Public School music, two hours per week, a term	6.00
Piano or typewriter rent, one hour daily, a term	2.50
Each additional hour daily, a term	2.25

LABORATORY FEES

Agriculture, a term	\$ 1.00
Astronomy, a term	0.50
Biology (Academy), a term	1.00
Biology (College), a term	2.50
Chemistry, 1, a term	2.50
Chemistry, 2, 3, 6, a term	3.50
Chemistry, 5, a term	\$3.50 or 6.00
Breakage deposit in chemistry	1.50
(Unused part to be refunded)	
Physics (Academy), a term	1.00
Physics 2 (College), a term	1.25
Surveying, a term	1.00
Zoology (College), a term	2.50

BOARD AND ROOM

Board at College Hall, a week	2.50
Room rent, with steam heat and light, a term	11.00
Cottages, unfurnished, a month	\$5.00- 7.00
Room and key deposit	2.00

Prices for rooms in new dormitory for girls will be fixed later and quoted on application. Building in process of construction.

The rooms in the University dormitories are fur-

nished with bedsteads, table, chairs, washstand, mirror, wash bowl and pitcher. They are without carpets. Students must furnish everything necessary for the beds, with the exception of mattress. They must also furnish their own towels and napkins. The University does the laundering of the sheets, pillow-cases and towels. The room and key deposit is to insure the University that the keys will be returned and the room left in good condition. The fee is refunded when the key is returned.

The University owns several cottages which it rents unfurnished, to families. The prices vary according to the size, location and condition. The persons renting are expected to take a lease for at least nine months, and pay the rent during the entire school year. Renters at a distance engaging a cottage will be expected to pay one month's rent at the time the agreement is made to take the cottage.

MISCELLANEOUS FEES

Examinations on work done outside the class,	
a term-hour	\$ 0.75
Special examination on class work, a term-	
hour	0.25
(No examination for less than fifty cents.)	
Diploma fee	5.00
Certificate fee	3.00
Late registration	1.00
Change of registration	0.25
Gymnasium fee, a term	0.75

Regular tuition covers "sixteen term-hours" work, except where otherwise specified in the courses. A student boarding and rooming with the school will pay for a regular course \$176.25 a year. This includes everything but laboratory fees, rent of instruments in School of Music and of typewriters. If he is a minister, a prospective minister, or missionary, or the child of a minister, room rent will be reduced \$3.00 a term. Candidates for the ministry or mission field must present credentials to obtain this reduction.

Several opportunities are afforded students to

pay part of their expenses by labor. No one should seek this concession who can get along without it. The work in the Boarding Hall is nearly all done by the students. There are positions at the disposal of the management, for janitors, bell-ringers, and sweepers. For more specific information correspond with the President.

THE COLLEGE

The courses in the College have as their chief aim the acquisition of a broad and liberal education. Early specialization is not conducive to the best attainment, and therefore, the course for the Freshman year contains a greater number of required studies than any subsequent year. The courses are so arranged that all students may meet the same requirements and yet have an opportunity to specialize in any one of the first five groups of studies.

ADMISSION

Students are admitted to the College department, either by examination or by presentation of certificates from accredited High Schools and Academies, or equivalent. Students coming from other colleges should present certificates of honorable dismissal.

ADMISSION BY EXAMINATION

Entrance examinations will be held on the first day of registration. These are free.

ADMISSION BY CERTIFICATE

Graduates of commissioned High Schools are admitted to Freshman rank upon presentation of their certificates of grades or of graduation. These certificates should contain a list of the studies pursued by the applicant, the number of weeks and the number of hours during which the subjects were studied, and the grade attained in each, and should be signed by the proper school officer. If it is impossible to present these certificates on the day of registration a short time will be given the student in which to send for them.

SPECIAL STUDENTS

Students who are not candidates for a degree will be permitted to enter as special students, and to pursue such subjects as their previous training will permit.

ADMISSION TO ADVANCED STANDING

Students from other colleges, upon presentation of certificates of honorable dismissal, and proper certificates of credit, will be admitted to advanced standing. If possible these certificates should be presented before the day of registration. The amount of credit is determined by the Ranking Committee, but full credit will be given only for work pursued in schools of recognized collegiate rank. However, students presenting more than the fifteen units of High School credit required for admission may, upon application to the Ranking Committee, receive some college credit for the excess.

CONDITIONAL ADMISSION

Students presenting not less than thirteen of the fifteen units required for full Freshman rank will be admitted to College on condition. Such students will be required to enroll at once in the Academy for those subjects in which they are deficient.

SUBJECTS REQUIRED FOR ADMISSION

Students who, upon entrance, offer fifteen units in the studies accepted for admission to College will be given full Freshman rank. A UNIT is the credit given for one study pursued through one year of at least thirty-two weeks, with five recitation periods each week; or one-sixteenth of a standard High School course. High School students who expect to enter College would do well to arrange their work so that it will meet the requirements for admission. They are also advised to take more than the minimum requirements in the languages, as they are more easily mastered at that age than later.

A description of the work necessary to satisfy the requirements in any subject will be found in the description of the courses offered in the Academy.

Of the fifteen units required for admission the 9 contained in group A are required of all. The remaining 6 may be elected from group B, or 3 may be elected from group C.

Group A. Required of all.

Algebra, 1 year	1 unit
English, 3 years	3 units
Geometry, plane, 1 year	1 unit
History, 1 year	1 unit
Language, 2 years	2 units
Laboratory Science, 1 year	1 unit

Group B. The remaining 6 units may be elected from this group.

Algebra	$\frac{1}{2}$ or 1	Greek	1 to 3
Botany	$\frac{1}{2}$ or 1	History	1 or 2
Chemistry	1	Latin	1 or 2
Civics	1	Physics	1
English	1	Physical Geography	$\frac{1}{2}$ or 1
French	1 or 2	Physiology	$\frac{1}{2}$
Geometry, Solid	$\frac{1}{2}$	Spanish	$\frac{1}{2}$ or 1
German	1 to 3	Zoology	$\frac{1}{2}$ or 1

Group C. Only three units may be elected from the following subjects: Agriculture, Astronomy, Bible, Bookkeeping, Commercial Law, Commercial Geography, Drawing (Freehand or Mechanical), Domestic Science, Economics, Elementary Psychology, Geology, Manual Training, Normal Training, Penmanship, Shorthand, Typewriting; or such other subjects as are usually offered in accredited High Schools.

CLASSIFICATION

The classification of students is made at the beginning of the school year upon the following basis:

Freshmen: students who are deficient not more than one unit of entrance work and are carrying 12 hours of college work.

Sophomore: students who have no entrance condition and have completed 36 hours.

Juniors: students who have completed 87 hours.

Seniors: students who have completed 132 hours.

A student's classification may be changed from Junior to Senior during the year of graduation.

REQUIREMENTS FOR GRADUATION

The degree of Bachelor of Arts will be conferred on those who have been in resident study for at least

one school year, and who have received one hundred eighty-six term-hour credits, according to the group requirements which follow.

A term-hour of credit is given for the completion of work requiring one class exercise each week for one term or an equivalent. Each class exercise pre-supposes two hours of preparation.

For convenience the subjects offered in the College are divided into six groups. A certain amount of work must be chosen from each group. The total amount of distributed group requirements is equal to about one-half of the one hundred eighty-six hours required for graduation, but only about one-fourth of the total requirement is specified. This gives the student an opportunity for specialization by careful selection of the electives from the various groups. A student who desires to receive the degree of Bachelor of Science instead of Bachelor of Arts must take from groups III and IV, seventy-five of the one hundred eighty-six term-hours required for graduation. A full description of the subjects in each department is given under Description of Courses, beginning on page 75.

Credit is not given toward graduation for a part of a course unless so specified in the description of the course. Credits will not be counted toward graduation in which the grade falls below 75, and not more than sixty term-hours in which the grade falls below 80. However, a grade of 70 excuses the student from taking the course again.

REQUIREMENTS BY GROUPS

Group I. Latin, Greek, German, French, Hebrew.

From this group sufficient work must be taken to make six years of language, including what was offered for entrance. If only three units (three years' work) are offered for entrance, twenty-seven to thirty-six term-hours (three years' work) must be taken in College; but any language, except Hebrew, French and Spanish, which is begun in College, must be pursued for at least two years, except by permission from the Faculty. In case six units are offered for en-

trance, one year of language must be taken in College. Not more than one hundred term-hours of College work will be allowed from this group, and not more than nine term-hours of this amount shall be New Testament Greek.

Group II. Rhetoric, Argumentation, Poetics, Literature, Oratory, Biblical Literature.

From this group twenty term-hours are required; nine of these must be Rhetoric and Argumentation. By special arrangement with the head of the English department an equal hourage of English 12 may be substituted for Argumentation. Not more than seventy term-hours will be accepted from Group II and of these not more than twelve in Bible or eighteen in Oratory.

Group III. Algebra, Plane Trigonometry, Spherical Trigonometry, Surveying, Analytical Geometry, Differential Calculus, Integral Calculus, Astronomy.

From this group students majoring in Biology or Chemistry (major departments 7 or 8) are required to take fifteen term-hours, ten of which must be courses 5 or 12 and 6. Students majoring in major department 6 are required to take twenty-one term-hours which must include courses 5, 6, 7, 8 and 9. Students majoring in departments 6, 7 or 8 who do not offer Solid Geometry for entrance must take course 4 in addition to the above requirements. Students majoring in any other department may elect work from Group III.

Group IV. Physics, Chemistry, Biology, Botany, Zoology, Geology.

From this group at least fifteen term-hours are required. If only one unit of laboratory science is offered for entrance, two year courses must be taken in College, and so selected that the student will have work (including what was offered for entrance) in at least three of the following departments; viz., Physics, Chemistry, Biology and Geology. Not more than ninety term-hours will be accepted from this group.

Group V. History, Political Science, Social Science, Economics, Philosophy, Education, Religion.

From this group thirty-four term-hours are required, of which five must be in Philosophy 1, four in Philosophy 2, six in History or Political Science, six in Christian Evidences, and four in Economics. Not more than ninety term-hours will be accepted from this group, and of these not more than forty term-hours in Education and fifteen in Religion and Theology, besides Christian Evidences.

Group VI. Physical Training, Drawing, Music, Painting.

From this group six term-hours are required in Physical Training and not more than fifteen term-hours will be accepted in Drawing and Painting, and not more than twelve hours in music, which must be class work.

MAJOR REQUIREMENT

The requirements made in the foregoing groups insure to the student breadth of culture and a knowledge of the different fields of learning. On the other hand in order to secure thoroughness and continuity in at least one field of knowledge, each candidate for a degree must choose, not later than the beginning of the junior year, a major in which he must complete at least thirty hours. But for a student who has offered for entrance less than two units from the department in which his major is chosen the head of such department will determine the number of hours to be taken in the major group. The student shall in every case select his major after consultation with the head of the department and shall give notice to the registrar in writing. For the selection of majors the College courses are divided into the following twelve departments:

1. Latin.
2. Greek.
3. German.
4. Romance Languages.
5. English.
6. Mathematics, Physics and Astronomy.
7. Biology.
8. Chemistry.

9. History, Political Science and Social Science.
10. Philosophy and Education.
11. Biblical Literature, Religion and Theology.
12. Oratory and Music.

ARRANGEMENT OF COURSES

The following is the suggested arrangement of courses by years. Students are expected to follow this arrangement, unless there is a good reason for a change:

FRESHMAN YEAR

English 6, 7	9 term-hours
Language	9 to 15 term-hours
Mathematics	5 to 10 term-hours
Social Science 3 (Economics)	4 term-hours
Physical Training	3 term-hours
Elective to make	45 term-hours

SOPHOMORE YEAR

Language (if required)	9 to 15 term-hours
Science	15 term-hours
History or Political Science	6 term-hours
Physical Training	3 term-hours
Elective to make	45 term-hours

JUNIOR YEAR

Language (if required)	9 to 15 term-hours
Philosophy 1 (Psychology)	5 term-hours
Philosophy 2 (Logic)	4 term-hours
Elective to make	48 term-hours

SENIOR YEAR

Religion 2 (Christian Evidences)	6 term-hours
Elective to make	48 term-hours

The student, in making out his elective courses for each year, must give attention to the group and major requirements for graduation.

COMBINED COLLEGE AND MEDICAL COURSE

Students who desire the degree of Bachelor of Arts and of Doctor of Medicine and do not wish to spend the usual eight years in the two courses, may enroll in the combined College and Medical course and thus shorten the time to seven years. This privilege is open only to students who have a record of good scholarship for the first three years of their course and who have been resident students at the University for at least one of these years. Under this provision the student may give his full time during his fourth year to work in the Medical School, but must make application for graduation as if in regular attendance and pay the diploma fee.

A student must have at least one hundred thirty-eight term-hours of credit in the College of Literature, Science and Arts, and this credit must include all the specified requirements for graduation from the College except eleven hours of the general requirement in Group II, five hours of the general requirement in Group III, and nine hours of the general requirement in Group V, besides six in History or Political Science.

A certificate from the Medical School stating that one full year's work has been satisfactorily completed is accepted by the University for forty-eight term-hours of credit to complete the one hundred eighty-six hours required for graduation.

The following is a suggested arrangement of the courses:

FIRST YEAR

English Comp. and Lit.	9 term-hours
Mathematics	5 to 10 term-hours
Chemistry	15 term-hours
Biology	12 term-hours
Physical Training	3 term-hours
Elective to make	45 term-hours

SECOND YEAR

German or Latin	9 to 15 term-hours
Chemistry	15 term-hours
Physics	12 term-hours
Economics	4 term-hours
Physical Training	3 term-hours
Elective to make	45 term-hours

THIRD YEAR

German or Latin (if required) ..	9 to 15 term-hours
Chemistry	10 term-hours
Zoology	6 term-hours
Christian Evidences	6 term-hours
Psychology	5 term-hours
Logic	4 term-hours
Elective to make	48 term-hours

POST GRADUATE DEPARTMENT

The Post-Graduate Department is conducted by the College Faculty. Any person who holds a Bachelor's degree from this institution or from any other of approved grade, may, by presenting proper evidences of his fitness, become a candidate for a Master's degree. He shall make his application to the department in which he desires to do his major work. The head of the department with the Ranking Committee shall pass upon his application.

One year of study in residence is required of every candidate. The candidate is required to select one major subject and one minor subject; the major subject must be one which he has pursued to some extent during his College course. The course altogether will include forty-eight term-hours of work selected, with the approval of the committee, from the undergraduate College courses. However, no study shall be selected for which the candidate has received credit in obtaining his Bachelor's degree, and which is not of more advanced grade than the work done previously. Certain work may be selected from the course in the School of Theology, with the approval

of the committee, but no student will be permitted to receive more than one degree in any year.

Each candidate must write a thesis of not less than five thousand words, on some subject which has been approved by the committee, and which is in line with his major subject. It must be printed or typewritten, on paper eight and one-half inches by eleven, with suitable thesis binding, and must contain a table of contents and a list of authorities consulted. The subject of the thesis must be submitted and approved by December first and the completed thesis must be submitted to the committee for approval by May first preceding the Commencement at which the candidate expects to receive his degree.

FEES

A matriculation fee of five dollars shall be paid at the time of registration. The tuition, laboratory fees, and all incidental fees will be the same as for undergraduates. A diploma fee of ten dollars is required of all graduate students.

THE ACADEMY

The Academy provides a four-year course of instruction for five classes of students; those who are preparing to enter College; those who desire better preparation for undergraduate theological courses; those who are preparing for technical courses; those who are preparing to become teachers, and those who desire a better preparation for the common walks of life. The Academy is recognized by the State Board of Public Instruction as one of the commissioned High Schools of Indiana.

The courses have been prepared to meet the general College entrance requirements, the requirements of the State Department of Public Instruction of the State of Indiana, and of the University Senate of the Methodist Church. By the proper selection of elective studies a student may meet any of these requirements.

ADMISSION

Students who present certificates of graduation from the common schools or of promotion to High School are admitted to the Academy without examination. Those not presenting certificates will take the entrance examination.

If applicants for admission to the Academy have not completed the work of the Eighth Grade as prescribed for the common schools of Indiana, or its equivalent, they will be enrolled in such studies as they have not taken. They will pursue these common branches as fast as the schedule of recitations will permit and when these do not occupy twenty periods a week they may select Academic studies. When enrolled for not less than one-half of the "First Year" studies, students will be classed as first year students.

Students seriously deficient in English Grammar are incapable of pursuing any language course, English or foreign, with credit to themselves or satisfaction to their instructors. Applicants whose grades

indicate low attainments will be expected to take a special examination in English Grammar on the day of registration, or to enroll in a Grammar class. This rule is without exception. In case of failure on the examination the student will be enrolled in a Grammar class until the deficiency is remedied. A special course in Advanced Grammar is offered to those who have completed the grammar work of the eighth grade. If a student's progress is seriously retarded by weakness in the common branches on which he has credits the necessary reviews will be prescribed.

ADVANCED STANDING

Credits for advanced standing will be accepted from other schools of established reputation. Students coming from other schools and offering credits for advanced standing will be given credit according to group specifications for College entrance. See page 38. Certificates of credit containing a list of the subjects, the length of time pursued, the number of recitations a week and the grade; this, signed by the proper official, should be presented at the time of registration if possible.

REQUIREMENTS FOR GRADUATION

To graduate from the Academy 16 units, or a minimum of 207 term-hours of work, are required besides the work in Physical Training. A UNIT is the credit given for one year's work in a subject reciting four or five times a week for thirty-six weeks. A TERM-HOUR is one recitation a week for a term.

Those expecting to enter College are advised to take more than the minimum requirement in the languages, as they are more easily mastered at the High School age than later. It is also advised that Solid Geometry be elected.

Of the sixteen units required, the eleven contained in Group A are required of all. The remaining five units may be elected from Group B, or two may be elected from Group C.

GROUP A. Prescribed subjects, eleven units required of all as follows:

English, 3 years	3 units
(One recitation a week in English will be English Bible)	
Mathematics, 2 years	2 units
(Algebra, 1 unit; Plane Geometry, 1 unit)	
Language, 3 years	3 units
(2 units must be Latin)	
History, 1 year	1 unit
(Preferably Ancient History)	
Laboratory Science, 2 years	2 units
(Biology and Physics)	
Physical Training.	

GROUP B. The remaining five units may be elected from this group.

Agriculture	1 unit
Biology	1 unit
Botany	$\frac{1}{2}$ unit
Chemistry	1 unit
Civics	$\frac{1}{3}$ unit
Drawing or Art	$\frac{3}{8}$ unit
English	1 unit
French	1 or 2 units
Geometry, Solid	$\frac{1}{2}$ unit
German	1 or 2 units
Greek	1 or 2 units
History	1 or 2 units
Latin	1 or 2 units
Physical Geography	$\frac{1}{2}$ unit
Psychology	$\frac{1}{3}$ unit
Rudiments of Music	$\frac{2}{5}$ unit
Zoology	$\frac{1}{2}$ unit

GROUP C. Not more than 2 units will be accepted from this group and not more than the indicated amount in any one subject.

Bookkeeping	1 unit
Commercial Law	$\frac{1}{3}$ unit
Commercial Arithmetic	$\frac{1}{3}$ unit

Commercial Geography	1/3 unit
Domestic Science	1 unit
Penmanship	1/2 unit
Shorthand	1 unit
Typewriting	1 unit
Oratory	1 unit

ARRANGEMENT OF THE COURSE

The following is a suggested arrangement of the required and elective subjects. Those preparing for College entrance should select their electives so as to meet the requirements. Other students may select any of the electives offered, subject to the limitations as shown in Groups B and C. Students would do well to notice the excellent one-hour courses offered in Domestic Art, Drawing, Rudiments of Music, and Sight Reading. These subjects may be elected and credit will be given as indicated in the groups above.

FIRST YEAR

English 1	12 term-hours
Bible 1	3 term-hours
Latin 1	15 term-hours
History	12 term-hours
Biology	15 term-hours
Physical Training.	

SECOND YEAR

English 2 and 3	12 term-hours
Bible 2	3 term-hours
Latin 2	12 term-hours
Mathematics 1 (Algebra)	12 term-hours
Elective	12 or 15 term-hours
Physical Training.	

THIRD YEAR

English 4	12 term-hours
Bible 3	3 term-hours
Mathematics 2 (Plane Geometry) ..	12 term-hours
Language	12 to 15 term-hours
Elective	12 term-hours

FOURTH YEAR

Physics 1	15 term-hours
Electives to make	51 term-hours

COMBINED LITERARY AND MUSICAL COURSE

For those desiring to specialize in music while taking their Academy work a course may be arranged in which music may be substituted for any four units of the Academy work except English. For such credit music, preferably piano, must be pursued continuously and satisfactorily during the four years; and two lessons a week and at least two practice periods daily are required as the equivalent of the four units. If piano is taken, the requirements for graduation will be scales and arpeggios in all keys; Bach's two voice inventions; Cramer's Etudes; the easier compositions from the classical and modern composers. A suitable diploma will be issued to the graduates of this course; but this diploma is not in any sense to be considered a diploma from the School of Music.

This course does not meet the requirements for College entrance. Students who wish to prepare for College may do so by taking one more year's work so selected as to meet the requirements for entrance.

The tuition for this course is one and three-fourths times regular tuition.

THE SCHOOL OF THEOLOGY

Taylor University gives much attention to the needs of Christian workers. Students of all denominations are received, but special opportunities here obtain for Methodist ministerial students along the line of their conference studies. Candidates for the mission fields, pastor's assistants, Sabbath School superintendents and teachers, evangelists, local preachers, conference students—all are welcomed and their needs conscientiously provided for.

Never in the history of the Church were greater demands made upon the Christian minister and the church worker than today. That students who go out from us may be able to meet these demands, it is the aim of the Faculty to help them secure the best spiritual and intellectual preparation. The ideals of the school are: A definite knowledge of personal salvation, with ability to give an intelligent "answer to every man that asketh him, a reason concerning the hope that is in him;" such a knowledge of the Bible as to be able "to rightly divide the word of truth;" special emphasis upon those doctrines which underlie all sweeping evangelical movements; a comprehensive study of the history of the Church, resulting in charity for those of different opinions, accompanied by zeal to excel the accomplishments of the past; and frank and unimpassioned discussion of questions of exegesis and apologetics.

Taylor University School of Theology is conservative in the matter of Biblical criticism. It holds to the inspiration of the whole Bible. It appeals to students who wish to shun the poison of rationalism and destructive higher criticism. It stands for the old paths.

The Faculty aims to adopt that method or variety of methods of instruction, conducive to the deepest interest and most thorough study. Hence the best text books will be used, together with reference books, lectures, discussions, blackboard and original written exercises, praxis and criticism.

SEMINARY COURSE

This course, running nine full months each year, is designed to cover substantially the same ground as that covered by the curriculum of any regular Theological Seminary of the Church. The work is so arranged with College Electives that students with exceptional powers of application may complete the course in two years. All students in any course preparing for the ministry in the M. E. church are required to take a course of one hour a week for one year on the history, polity, and doctrines of the M. E. church. No credit on course is given and no charge is made for instruction.

ADMISSION

All graduates of reputable colleges who have received the degree of A. B., Ph. B., or B. S., will be admitted without examination, provided their courses have included Greek. Applicants for admission who are not college graduates must have completed the course required for College entrance, including Psychology, Logic, and two years in Greek, or must take these subjects at the earliest opportunity. Certificates covering any of the studies or books required for admission will be received from recognized schools or academies, but candidates must be examined on everything not explicitly stated in their certificates.

ADVANCED STANDING

Students from other theological seminaries will be permitted to enter the higher classes of this course upon the presentation of satisfactory certificates of the work done by them. But no student can graduate who has not pursued his studies in this school for at least one year.

SPECIAL STUDENTS

Academy graduates will be admitted to this department upon the conditions heretofore mentioned

and allowed to carry such work as their previous training will permit.

REQUIREMENTS FOR GRADUATION

Students who have received the degree of A. B. or an equivalent degree, from a college or university, and who have completed the Seminary course, will receive the degree of Bachelor of Divinity.

Students not graduates of a college whose scholastic attainments meet the requirements of the Faculty for admission to the full course, and who complete the course, will, on graduation, receive the diploma of the institution without the degree.

Special students will receive certificates from the Professors for work done in their respective departments.

All candidates for graduation must present to the Professor of Practical Theology on or before April 30th, a thesis of not less than five thousand words. These theses, which must be typewritten on paper of uniform size $8\frac{1}{2} \times 11$ inches, become the property of the University, to be placed on file in the library.

OUTLINE OF SEMINARY COURSE

The following is the arrangement of the subjects by years. A general description of the subjects will be found under the Description of Courses, beginning on page 75.

JUNIOR YEAR

Hebrew 1	9 term-hours
Greek 8	9 term-hours
Biblical Literature 9 (Hermeneutics)	6 term-hours
Practical Theology 1 (History of	
Preaching)	6 term-hours
Historical Theology 1 (Church His-	
tory)	9 term-hours
Religion 2 (Christian Evidences)	6 term-hours
Expression 5	3 term-hours

MIDDLE YEAR

Hebrew 2 or Elective	6 term-hours
Greek 9	9 term-hours
Theology 3 (Systematic Theology) ..	9 term-hours
Practical Theology 2 (Homiletics) ..	9 term-hours
Historical Theology 2 (Church His- tory)	9 term-hours
Social Science 1	3 term-hours
Expression 5	3 term-hours

SENIOR YEAR

Hebrew 3 or Elective	6 term-hours
Greek 10 or Elective	3 term-hours
Biblical Literature 10 (Biblical Intro- duction)	6 term-hours
Historical Theology 3 (History of Doctrine)	3 term-hours
Theology 4 (Systematic Theology) ..	9 term-hours
Theology 2 (Pauline Theology)	3 term-hours
Practical Theology 3	12 term-hours
Social Science 2	3 term-hours
Expression 5	3 term-hours

ENGLISH BIBLE COURSE

This course is arranged with a view to meet the needs of those who desire a thorough knowledge of the Bible. The work in the English language and Literature is included so as to give a working knowledge of English Literature and to ground the student thoroughly in a correct and elegant use of the language. The work in secular history is included because a knowledge of secular history is necessary to an intelligent study of Church History. The work in Homiletics is postponed until late in the course so that the student may come to it with such a knowledge of the Scriptures and of the fields of general culture as to furnish him the proper material for his sermon-making.

ADMISSION

Students who present certificates of graduation

from the common schools or of promotion to High School are admitted without examination to the English Bible Course. Those not presenting certificates will take the entrance examinations.

ADVANCED STANDING

Students who present proper credentials of work done in other schools will be given advanced standing according to the amount of work done. These credentials should be presented on the day of registration and should contain a statement of the subjects pursued, the number of recitations a week in each subject, the number of weeks each subject was taken and the grade obtained in each; the credentials must be signed by the proper school officials.

CONDITIONAL ADMISSION

If applicants for admission to the English Bible Course have not completed the work of the Eighth Grade as prescribed for the common schools of Indiana, or work equivalent to this, they will be enrolled in the studies in which they are deficient. They will pursue these common branches as fast as the schedule of recitations will permit and when these do not occupy twenty periods a week they will be permitted to select subjects from the first year of the English Bible Course. When they are enrolled for work in the common branches and also in this course they will be classed as irregular students if the deficiency is more than half of one year's work.

REQUIREMENTS FOR GRADUATION

The work of this course is arranged for three or four years' work.

The three-year course is outlined below; the four-year course includes in addition four units (one year) of Academy work to be approved by the Faculty. Students completing the three-year course will be given a certificate; those completing the four-year course will be given a diploma.

For information concerning these subjects the student is referred to the Description of Courses, beginning on page 75.

OUTLINE OF ENGLISH BIBLE COURSE

FIRST YEAR

English 1	12 term-hours
Bible 1	3 term-hours
Bible 5 and 6 (Old and New Testa- ment History	9 term-hours
Religion 1 (Missions)	9 term-hours
History 1	12 term-hours
Elective	3 term-hours
Physical Training.	

SECOND YEAR

English 2 and 3	12 term-hours
Bible 2	3 term-hours
Bible 7 (New Testament Studies)	9 term-hours
Expression 1	9 term-hours
Historical Theology 1 (Church His- tory)	9 term-hours
Elective	6 term-hours
Physical Training.	

THIRD YEAR

English 4	12 term-hours
Bible 8 (Old Testament Studies)	6 term-hours
Historical Theology 2 (Church His- tory)	9 term-hours
Practical Theology 2 (Homiletics) ..	9 term-hours
Expression 2	9 term-hours
Elective	3 term-hours

THE INSTITUTE OF EVANGELISM AND BIBLE CONFERENCE

SPRING TERM

This annual Institute of ten days furnishes a rare opportunity for Pastors and Christian Workers to take a short but intensive course in practical evangelism and Christian work.

The program for 1916 Institute was as follows:

Daily Program

- 9:00 A.M.—Chapel Service. Preaching Rev. J. G. Mantle
10:00 A.M.—Lecture on Prophecies - - - Prof. Shaw
11:00 A.M.—Studies in Old and New
Testament - - - - - Prof. Wray
1:30 P.M.—Lectures on Preaching, Doctrines,
and Evangelism - - - - Prof. Ridout
2:30 P.M.—Lectures on Holiness in the
Bible - - - - - President Vayhinger
4:00 P.M.—School of the Prophets - Rev. J. G. Mantle
7:30 P.M.—Evangelistic Service - - Rev. J. G. Mantle

This course is so outlined that Preachers, Evangelists and Christian Workers have an opportunity presented to them to take special studies under four of our Theological Professors in addition to the special worker, Rev. J. G. Mantle.

NOTES

Board and lodging \$4.00 per week.

Privilege also allowed of attending any other classes.

Date for 1916 Institute was April 28-May 7.

THE SCHOOL OF ORATORY

We can do no better in indicating the purpose of this department than to quote the words of Dr. Curry. "Expression implies cause, means and effects. It is a natural effect of a natural cause, and hence is governed by all the laws of nature's processes."

The course develops the mind, body and voice. It does for each pupil whatever is necessary to call forth his innate powers. It aims to awaken the student, first of all, to "find himself," to be able to think, and to do whatever is to be done; to have mental poise and strength.

Students in this department are referred to the article on Contests and Prizes.

REQUIREMENTS FOR GRADUATION

In order to be granted a diploma in Expression a student must be a graduate from an Academy or High School and must have, in addition, 50 or 51 term-hours' work as follows: 36 in class work in Expression; 6 in private work; 5 in Psychology and 3 or 4 in Argumentation or Logic.

The following is an outline of the 36 term-hours of class work in Expression required for graduation:

COURSE IN EXPRESSION

FIRST YEAR

Foundation of Expression (Curry).
Elementary Exercise in Tone Production.
Harmonic Gymnastics.
Extemporaneous Speaking.
Recitations.

SECOND YEAR

Foundation of Expression.
Classics for Vocal Expression (Curry).
Vocal Training and Harmonic Gymnastics.
Extemporaneous Speaking.
Recitations.

THIRD YEAR

Imagination and Dramatic Instinct (Curry).

Classics for Vocal Expression.

Foundation of Expression.

Shakespeare.

Pantomime and Vocal Training.

Platform Work.

FOURTH YEAR.

Imagination and Dramatic Instinct.

Literary Interpretation of the Bible (Curry).

Browning and the Dramatic Monologue (Curry).

Shakespeare.

Pantomime and Vocal Training.

Platform Art and Recitals.

Vocal training consists of two parts: (1) The securing of right tone production, (2) the improving of speech. The method used is not altogether technical but awakens the imagination and secures the right action of the mind.

Harmonic training prepares the body for expression. It stimulates development and is primarily psychic.

Preachers receive training of the voice and body in order to secure economy of force and self-control. Special studies are given in the interpretation of the Bible and the reading of hymns.

Each student has ample opportunity to give productions at recitals.

THE SCHOOL OF MUSIC

The School of Music is established to offer superior advantages for the study of music in the beginning grades and all of its higher branches.

The affinity existing between literature and the arts naturally suggests the University as the place where the two may be studied side by side. It is a mistake to suppose that music alone can yield substantial culture of character, or that it is sufficient in itself. Those who propose to work effectively in this line need breadth and substance of personal character—something more than mere effervescence of sentiment.

The neighborhood of a University of general education, and especially of Christian education, and of co-education is the natural place for such a school of music. It aims at the production of intelligent musicians of liberal culture.

PIANO DEPARTMENT

OUTLINE OF STUDIES

All grades of students are received. The musical development is made to keep pace with mechanical execution, while musical thinking is inculcated in order to insure an intelligent interpretation of music. Those who have begun a graded course of studies under other teachers may complete them here. A complete course includes the ability to read well at sight, to memorize, to transpose, and to play standard studies and compositions from the best composers. Graduates must study Harmony, Counterpoint and Musical History.

MATERIALS FOR PIANO STUDY

Mechanical studies and Etudes for Rhythm, Phrasing and Expression are selected from the following authors: Kohler, Czerny, Clementi, Cramer, LeCouppéy, Heller, Loeschhorn, Bach, Chopin, Liszt.

The matter of finger, hand and arm movements receives careful attention as a basis for good tonal effects.

The time required for completing a full course depends entirely upon the equipment one brings to the work, and the interest and regularity with which studies are pursued.

Three courses are provided, viz: Preparatory Course, Teacher's Certificate Course, and Diploma Course.

PREPARATORY COURSE

The Preparatory Piano Course will include a thorough foundation in technique, with the easier etudes by Berens, LeCouppey, Bertini, Heller, Czerny, Kohler and Duvernoy. Selections from standard composers. No diploma is given on this course.

TEACHER'S CERTIFICATE COURSE

Advanced technique. The Major and Minor Scales in all keys and in all forms. Chord and Arpeggio work. Instruction in the Art of Teaching. The two and three part Inventions, Bach. Etudes by Heller, Czerny, Clementi, Cramer and others. Sonatas and other compositions by Mozart, Haydn, Beethoven, Chopin, Schubert, Mendelssohn, Schumann, Grieg and others. History of Music, Harmony and Musical Analysis. In addition to the above requirements in Music, two years of Academy work are required.

DIPLOMA COURSE

All Major, Minor and Chromatic Scales, double thirds and sixths, Chord and Arpeggio work; exercises transposed into keys. Preludes and Fugues, Bach; Etudes from Chopin, Henselt, Liszt and compositions from Mozart, Beethoven, Weber, Mendelssohn, Brahms, Grieg, etc. Students in this course must have completed an Academic or High School Course, one year of History of Music, two years of Harmony and one term at least of Counterpoint.

Those interested in the Combined Musical-Literary Course will find full information under the Academy, page 51.

RECITALS

A public graduating recital must be given by each candidate in the Senior year. Recitals will be given from time to time in which all students competent to do so will participate. Artists' recitals are also provided, introducing the best talent available.

ORCHESTRA

A school orchestra is maintained to which a limited number of students, who have their own instruments and are able to tune them, are admitted. This organization meets once each week for practice and furnishes music for various entertainments and school exercises during the year.

VIOLIN AND MANDOLIN

A course in violin and mandolin is offered. Those sufficiently advanced have opportunity for ensemble playing in the school orchestra.

VOCAL DEPARTMENT

True cultivation of the voice consists in the development of pure tone and its easy natural use and control in singing. Correct use of the breath, intonation, attack, legato, accent, phrasing, and enunciation are the leading features of technical drill. Neither the so-called method of the Italians nor that of the Germans is used exclusively; but by the adoption of what is believed to be the best features of all methods, as well as by the use of a discriminating judgment as to any peculiar needs of the particular voice under treatment, we endeavor to carry forward the formation and development of the singing voice. At the same time a higher ideal than the perfection of mere mechanical skill is aimed at, viz., a musicianly style of singing, and all that is implied in the broad term

“interpretation” together with a thorough knowledge of the best works of the great masters, both new and old. Thus we hope to prepare our pupils for successful teaching, for positions in church choirs, and for concert work, and through them to advance the cause of artistic singing.

COURSE IN VOICE

First Year—Diaphragmatic breathing, exercises for breath control and tone placement from Viardot and Randegger, Concone Op. 9.—Easy songs.

Second Year—Continued work in vocal technique, studies from Concone, Panofka, Marchesi. More difficult sacred and secular songs.

Third Year—Exercises in rapid scales, trills and arpeggios. Studies from various masters. Recitative and arias from the easier oratorios and German and English songs.

Fourth Year—Advanced vocal technique and studies, difficult songs. Study of Coloratura, Oratorio and Operatic arias in Italian, German and English.

REQUIREMENTS FOR GRADUATION

In addition to the above course the student is required to have had two years of piano, one year of Musical History, and two years of Harmony.

Each student is required to appear in public recitals as soon as proficient. Each Senior is required to give one recital.

All students before graduating from the vocal department must have completed an Academic or High School course. The Literary Musical course offered in the Academy of this Institution will satisfy the literary requirements for graduating in this department.

CHORUS

An Oratorio chorus made up of the students from the School of Music affords opportunity for ensemble singing and study of some of the best choral works.

SOLFEGGIO CLASSES

These classes will be held once each week in periods of one hour, receiving a credit of one term-hour.

SOLFEGGIO 1

Rudiments of Music; including elements, properties and departments of music; terms, notations, intervals and scales, elementary singing.

SOLFEGGIO 2

Review of rudiments, scale study in major and minor keys, sight reading in all keys, chromatics.

SOLFEGGIO 3

More advanced sight reading and chorus work, vocal drill, ear training, study of chords, transposition, use of baton in chorus work.

PUBLIC SCHOOL MUSIC

This is a professional course for those who expect to teach Music only or to supervise the Music work of Grade Teachers in the public schools.

The outline of Studies includes a thorough knowledge of the Theory of Music, Voice Training, Piano, Harmony, History of Music, Pedagogy, Psychology, Methods, Practice-Teaching, Chorus and Orchestra Work.

All the details of the Graded Course in public school music (as outlined below) must be thoroughly studied, also a special outline of work for High Schools. One year, at least, is required for the completion of this course. Much depends upon the equipment one brings to the work and the interest and regularity with which studies are pursued.

As a pre-requisite for this course, students must be able to read and sing ordinary music at sight. They should also have had a complete high school or Academic course.

OUTLINE FOR THE GRADES

First Year—Ear training. All imitation work. Every normal child to master the scale. Devices for helping monotones. Rote songs, cultivation of the

rhythmic sense. Individual as well as class-singing required. Eye and ear training, with illustrations of the first rhythmic type and tone-groups or phrases; the phrase becoming the basis of all work.

Second Year—Divided form of the scale tones above and below the keynote). Continuation of Rote songs. Application of words to music in short simple phrases adapted to child life. Rhythmical breathing exercises. Easiest form of Notation. Written work to include the staff, clef and the various kinds of notes and rests thus far studied.

Third Year—Period of deduction. Eye and ear training. Study of keys and pitches. (Three keys only—C., F. and G). Second rhythmic type—the evenly divided beat. Transposition exercises. Foundation laid for original construction work. Easy chart or book exercises. Fewer Rote songs. Written work to embrace key and time signatures, pitches, time exercises, transposition work. Term examinations.

Fourth Year—Special features are the third rhythmic type—the beat and a half note. Two new keys—D and Bb. The Chromatic tones No. 4, No. 5, No. 2, No. 1 and No. 6. A given phrase, or group of tones, applied to each key, thus far studied. Direct application of words to music. Two part singing. First Music Reader. Original Melodies. Written work includes all the Notation thus far used. Time studies, etc. Term examinations.

Fifth Year—The fourth rhythmic type—the unequally divided beat—the dotted eighth, and sixteenth. Two new keys, A and Eb. Equal practice in the seven keys thus far studied. Advanced two-part singing. First or Second Music Reader. Study of b7, b6, b3, b5 and b2. Preparatory study of the Minor Scale. Unison songs of Medium range. Individual duets. Written work to include all the new Notations, Time exercises and original melodies. Examinations.

Sixth Year—The fifth rhythmic type—three equal sounds to a beat, as with the triplet, and compound measures of 6-8, 9-8 and 12-8 Meter. Studies in the Minor keys, (three forms). Three-part singing, vocalizing, classification of voices, two new keys, E and Ab. Third Music Reader. Written work similar to previous Grades. Term examinations.

Seventh Year—Sixth rhythmic type—four equal sounds to a beat. Third or Fourth Music Reader. The chromatic scale, applied to every key studied. New keys of B, Db, F and Gb. Classification of voices. Advanced three-part singing. Vocalizing, Chord study. Individual Trios. Written work. Examinations.

Eighth Year—Seventh rhythmic type—syncopation. Two remaining keys C sharp and Cb. Studies in the Bass Clef. Re-classification of voices for four-part singing. Advanced Music Reader. Individual quartet singing. Written work, to embrace all the problems of Notation, Original work, Music Biography. Examinations.

HISTORY OF MUSIC

The History of Music and Biography of Musicians from earliest times to the present are studied. Lessons are given in the form of lectures and the class is required to fill out a syllabus of the work presented and do some outside reading. Term examinations.

HARMONY AND COUNTERPOINT

FIRST YEAR HARMONY. Notation, study of intervals, construction of scales—major, minor and chromatic. The common chord and its inversions, Transposition, Chords of the Dominant Seventh with inversions, Cadences, Melody writing, etc. Term examinations.

SECOND YEAR HARMONY. Rapid review of the first year's work. Secondary sevenths, Diminished sevenths, Chromatically altered chords, Modulation,

suspensions, Chants and original compositions. Counterpoint is taken up in the Spring term. Students taking private lessons in Harmony receive certificate upon a satisfactory completion of the course. The study of Harmony and Counterpoint is very helpful to all students of Music, either instrumental or vocal, enabling them to grasp more readily the content of a piece of music and to read more rapidly.

REGULATIONS

The Music Department reserves the right to ask any student to withdraw, who, by reason of deficient musical ability or neglect of duty, fails to make satisfactory progress.

No reduction can be made for absence from lessons. A student may not expect the teacher to make up the work which he is responsible for missing, but if the teacher is responsible for the loss, it will be made up.

All text books, sheet music and other materials supplied to students are to be paid for when received.

Students are expected to consult the Director before arranging to take part in any public exercises.

The rental of pianos and assignment of practice periods is exclusively in the hands of the Director of the Piano Department. All students in piano or private work in voice, except those who have pianos in their own homes, are expected to take at least one practice period a day at the Music Hall. Students may not use the pianos beyond the specified time for which payment is made (except by special permission) and no use of pianos is allowed on Sundays.

For expenses see topic "Expenses," page 33.

NORMAL DEPARTMENT

PROFESSIONAL WORK FOR INDIANA TEACHERS

The school law of the State of Indiana divides teachers into three classes on the basis of experience and training. These classes are known as A, B, and C. The qualifications for classes A and B are given below. Application has been made to the State Teachers' Training Board for approval of the normal department of Taylor University for teachers' training in classes A and B. At the date this goes to press the matter is still pending. Students desiring such instruction should secure later information.

REQUIREMENTS FOR CLASS A

The law governing the licensing of this class reads: "A teacher without experience shall be a graduate of a high school or its equivalent; shall have had not less than one term of twelve weeks work in a school maintaining a professional course for the training of teachers; shall have not less than a twelve months license."

The State Board of Education has authority to interpret this law deciding what is meant by "high school," "equivalent," etc. This board acting as Teachers' Training Board, has made the following decisions: Before a teacher's license can be granted, to a teacher without experience, the candidate must be (1) a graduate of a commissioned high school, a certified high school, a certified academy, or must pass a state examination in high school branches; (2) must have had twelve weeks' training in a normal school, a normal department of a college, or in a standard college, which has been accredited by the State Teachers' Training Board.

COURSE OF STUDY FOR CLASS A (Twelve Weeks)

a. One period a day in any one of the following subjects: Observation, Educational Psychology, His-

tory of Education and Child Study.

b. One period a day must be given to the study from the teacher's point of view of some one of the common school subjects.

c. One period a day must be given to the study from the teacher's point of view of one of the high school subjects.

d. The fourth subject may be elected from b. or c.

Provided, that students pursuing the course for Class A certificates of training may elect and receive credit for an amount of prevocational work in an approved course or courses not to exceed one-fourth the total amount of work required for class A., but in making such substitution the strictly professional work must not be omitted.

REQUIREMENTS FOR CLASS B

The requirements for Class B include all the requirements of Class A, and in addition the candidate for license must have had at least one year's experience in teaching, and must complete another twelve weeks of teachers' training, making twenty-four weeks in all, of teachers' training work.

COURSE OF STUDY FOR CLASS B (Twelve Weeks)

(In addition to Class A)

a. Same as (a) of Class A with no duplication of work.

b. Same as (b) of Class A with no duplication of work.

c. Same as (c) of Class A with no duplication of work.

d. Same as (d) of Class A with no duplication of work.

Provided, that Class A teachers completing the training course for Class B certificates may elect and receive credit for an amount of prevocational work in an approved course or courses, not to exceed one-half the total amount of work required to complete

the training required for Class B. certificates, but in making such substitution the professional work must not be omitted.

Under the department of Education on page 87, will be found a list of courses from which the work defined in the above requirements must be selected. The work in Psychology will be found under the department of Philosophy. Courses in Methods in High School subjects are also mentioned under the department in which each subject falls.

DESCRIPTION OF COURSES

The following is a description of the various courses offered in all departments. The arrangement is in alphabetical order to and including the department of Theology. In order to have the various branches of Theology together, the courses in Historical Theology and Practical Theology are placed immediately following the courses in Theology. All theological subjects (except Biblical Literature), such as Church History, Homiletics, etc., will be found under these three general divisions of Theology.

In all of the college laboratory courses three hours of laboratory work are counted as equivalent to one hour of recitation.

The faculty reserves the right to withdraw any elective course for any term, if it is elected by fewer than five students.

ART

The study of Art is an important feature of education. It develops the creative faculty, a love and understanding of nature and an appreciation of the beautiful. Our aim is that the student shall gain not only a working knowledge of the principles underlying true Art, but also development in personal skill.

1. **FREEHAND DRAWING.**—Medium: pencil, pen and charcoal. Type forms and shapes related to them. Pencil handling in the rendering of trees, flowers and plants. Still life. Outline and Mass drawing, and in values with pencil, pen and charcoal painting.

Elective in the Academy and the College. Two hours a week throughout the year. Credit permitted by the term. Credit, 3 term-hours.

2. **COLOR WORK.**—Medium. Water Colors. Practical knowledge of colors. Rendering of flowers and common objects. Simple landscapes. Still life drawing. Out of door sketching.

Prerequisite: Course I or equivalent.

Elective in the Academy and the College. Two

hours a week throughout the year. Credit, 3 term-hours.

3. MECHANICAL DRAWING.—Geometric problems. Working Drawings. Perspective. Architectural Drawing. Basic laws and simple problems.

Elective in the Academy and the College. Two hours a week throughout the year. Credit, 3 term-hours.

Prerequisite: Course I or equivalent.

For private lessons in water colors or oil painting, see teacher.

4. INTERIOR DECORATION.—Drawing of plan for a house. Choice and arrangement of materials for a house and its furnishings. Design: creative and practical work in both color and form. Work from an artistic and economic viewpoint.

Elective in the Academy and the College. Two hours a week throughout the year. Credit, 3 term-hours.

Prerequisite: Course I or equivalent.

ASTRONOMY

1. GENERAL ASTRONOMY.—The aim of this course is to give the student some conception of the great universe in which our planet is a small part. No other branch of the sciences is so good to give one a true view of his real insignificance in the universe of space or to show one, on the other hand, the greatness of the human intellect in its accomplishments. No other study tends so well to inspire confidence in God. The mathematical calculations are reduced to the minimum. The work comprises a study of the solar system, nebulae, stars and constellations.

Recitations two hours a week, or the equivalent in observatory work, for the year. Credit, 6 term-hours.

Prerequisite: Mathematics 6.

BIBLICAL LITERATURE

1. HISTORY OF THE BIBLE.—A study of the history of the English Bible-canon, manuscripts, version, and translations.

Required in the Academy. Elective in the English Bible Course. One hour a week for the year. Credit, 3 term-hours.

2. STRUCTURAL BIBLE.—A study of the books of the Bible, outline and divisions of each book with contents.

Required in the Academy. Elective in the English Bible Course. One hour a week for the year. Credit permitted by the term. Credit, 3 term-hours.

3. THE PROPHETS.—A study of the prophets and their messages.

Required in the Academy. Elective in the English Bible Course. One hour a week for the year. Credit permitted by the term. Credit, 3 term-hours.

4. THE FOUR GOSPELS.—A study of the four Gospels. Special work in John's Gospel.

Elective in the Academy and in the English Bible Course. One hour a week for the year. Credit permitted by the term. Credit, 3 term-hours.

5. OLD TESTAMENT HISTORY.—A survey of the leading Hebrew history down to the days of Christ. Relations surrounding the peoples, crises and national character receive adequate consideration. Text, Robinson.

Required in the English Bible Course. Three hours a week for the first half of the year. Credit, 4 term hours.

6. NEW TESTAMENT HISTORY.—The Life of Christ is studied with a text-book and original examination of the Gospels. The political, social and religious conditions of His nation and times, the final stages of preparation for His work, the successive

periods of His ministry and the tragic end, are thoroughly brought out. Text, Stalker.

The life of Paul is then taken up as embodying the history of the Christian Church during the Apostolic Period. His place in history, his unconscious preparation for his work, his conversion, his gospel, his mission, his missionary labors, and his writings and character, are the principal topics of this subject. Text, Stalker.

Required in the English Bible Course. Three hours a week for the last half of the year. Credit, 5 term-hours.

7. NEW TESTAMENT STUDIES.—The Epistle of James, the Epistles of Paul to the Thessalonians, the Romans, and his imprisonment and pastoral epistles, with one of the Gospels and the Apocalypse constitute the material. Analysis and exegesis with original papers by the class will characterize the course.

Required in the English Bible course. Elective in the College. Three hours a week throughout the year. Credit permitted by the term. Credit, 9 term-hours.

8. OLD TESTAMENT STUDIES.—This course will consist of selections from Judges, Ruth, Psalms, Wisdom Literature, the Prophets, and such other parts as may be deemed advisable. The same methods as for the New Testament studies will be followed.

Required in the English Bible course. Elective in the College. Two hours a week throughout the year. Credit permitted by the term. Credit, 6 term-hours.

9. HERMENEUTICS.—An exhaustive study of the art of interpreting the literature of the Old and New Testaments. The students, while engaged in the mastery of principles, at the same time practice the application of them to numerous passages cited and discussed in the class. An approved text-book will be used.

Required in the Seminary Theological Course. Two hours a week for the year. Credit, 6 term-hours.

10. BIBLICAL INTRODUCTION.—The aim of this course is to cover the ground of contention respecting the origin and composition of the books of the Bible, the formation of the Canon, and whatever pertains to a thorough knowledge of the subject. Approved textbooks for both Testaments will be used.

Required in the Seminary Theological Course. Two recitations a week for the year. Credit, 6 term-hours.

BIOLOGY

With the new equipment of microscopes, microtomes, paraffin baths and other histological apparatus the University is well able to give advanced courses in this branch of the sciences. Its location is advantageous for field work, being near a game reserve with a natural forest and stream. The courses are designed to meet the needs of two classes of students: Those who desire some knowledge of the biological sciences, but do not intend to specialize in science, and those who wish a good foundation for teaching, medicine, or domestic science.

Students who expect to take advanced work in biology should take at least one year of chemistry. Those students who cannot give a full year to botany and zoology should take Biology 2 and 4. Medical students should take as a minimum Biology 2, 3 and 4. They should also include Biology 6, if possible. Not all of the advanced courses will be offered every year, but are alternated so a student will have a chance to take all of the work before completing his course. Three hours of laboratory work are required in College as the equivalent of one recitation.

1. ELEMENTARY BIOLOGY.—The aim of this course is to open up to the mind of the beginner in science the interrelation of plants and animals, the physiological principles and their economic relation to man. The course embodies the work usually given

as Zoology and Botany in High School Courses. The bacteria, yeasts, and protozoa are discussed in connection with civic biology, which is given considerable attention.

Required for graduation from the Academy. Recitations two hours, laboratory four hours throughout the year. One hour of the laboratory time each week will be given to drawing under the supervision of the teacher of Art. Credit permitted by the semester. Credit, 12 term-hours.

2. GENERAL ZOOLOGY.—This course is so planned that it serves as a foundation for advanced work in Zoology and also gives a practical acquaintance with the animal world suited to the needs of those who do not expect to specialize in science. The principal facts of structure, development, and classification are given attention. The work begins with the protozoa and most of the time is given to the invertebrates.

Elective for students in the College without previous training in Zoology; recommended to students who have had a High School Zoology or Biology. Required as a foundation for the advanced courses. Recitations and lectures two hours, laboratory six hours for the first half of the year. Credit, 6 term-hours.

3. COMPARATIVE VERTEBRATE ANATOMY.—A study of selected vertebrate types from Amphioxus to the mammals. The form and development of the different system of organs are considered in detail. This course is an excellent preparation for the work in human anatomy or for teaching. The instruction is based on Weidersheim's Comparative Anatomy. This course and Biology 2 make a good year's course in Zoology.

Required of medical students. Elective in the College. Recitations two hours, laboratory six hours for the last half of the year. Credit, 6 term-hours.

Prerequisite: Biology 2, or the equivalent.

4. GENERAL BOTANY.—A study of the biology, morphology, and classification of typical plants se-

lected from the different groups. The lower forms receive attention.

Elective in the College for students without previous training in botany; recommended for those who have had High School botany.

Recitations two hours, laboratory six hours for the first half of the year. Credit, 6 term-hours.

5. PLANT ANATOMY.—A study of the gross and microscopic structure as an explanation of function. This course with Biology 4 makes a good year's course in botany. Biology 4 and 5 may be given in the reverse order in some years.

Elective in the College. Recitations two hours, laboratory six hours for the last half of the year. Credit, 6 term-hours.

6. GENERAL HISTOLOGY.—A course in histological technic, including the processes of fixing, imbedding, straining, sectioning, and mounting different kinds of tissues. The course also includes an elementary study of the various organ tissues. The slides which are prepared become the property of the student. An excellent course for teachers and medical students.

Elective in the College. Recitation one hour, laboratory nine hours for the fall term. Credit, 4 term-hours.

Prerequisite: At least 7 term-hours in Biology.

7. BIOLOGY AND DISEASE.—This course consists of recitations and lectures on the cause, and means of preventing communicable diseases. It aims to give the facts which every person should know concerning consumption, typhoid fever, cholera, diphtheria, yellow fever, and other diseases caused by bacteria or protozoa. It is not technical and no preliminary courses are required.

Elective in the College and fourth year Academy. Two hours a week for the winter term. Credit, 2 term-hours.

8. **TEACHERS' COURSE IN HIGH SCHOOL BIOLOGY.**—This course treats the subject matter from the standpoint of the teacher. The same as Education 9A.

Elective for teachers in Teachers' Training for Class A or B. Five hours a week in the Spring term, or in other terms when desired by five or more students.

CHEMISTRY

The courses in Chemistry are arranged to meet the demands of two classes of students; those desiring some knowledge of the subject as a matter of general culture, and those electing the subject with teaching, medicine, or analytical chemistry in view. However, the aim of the department is not to turn out technical chemists, but to lay a broad foundation for later specialization. Those who expect to specialize in chemistry are urged to elect English, Mathematics, and German. A year's work in University Physics should be taken by those who elect work in advance of Chemistry 2. Three hours of laboratory work are required as the equivalent of one recitation. Courses 3 and 6 alternate with courses 4 and 5.

1. **GENERAL INORGANIC CHEMISTRY.**—A general introductory course. It is the prerequisite for all other courses. The first part of the year is devoted to the non-metals and to underlying principles. A study of the metals and elementary qualitative analysis completes the course. Special attention is given to commercial processes and applications.

Required for medical students. Elective for College students. Recitations three hours, laboratory four hours and laboratory quiz one hour a week throughout the year. Credit, 15 term-hours.

Prerequisite: Physics 1.

2. **QUALITATIVE ANALYSIS.**—The underlying principles, as electrolytic dissociation, chemical equilibrium, reversible reaction are reviewed, and applied to qualitative analysis. The metals, the acids, ore

analysis. Marsh's test, and other special operations are given in the course.

Required of medical students. Elective elsewhere. Recitations one or two hours a week. Laboratory nine or twelve hours a week for the Fall term. Credit, 5 term-hours.

Prerequisite: Chemistry 1.

3. QUANTITATIVE ANALYSIS.—An Elementary course in gravimetric and volumetric analysis with practice in the simpler separations and handling of precipitates.

Elective for College students. Recitations one or two hours a week. Laboratory nine or twelve hours a week for the Spring term. Offered in 1916-1917. Credit, 5 term-hours.

Prerequisite: Chemistry 2.

4. ORGANIC CHEMISTRY.—A study of the compounds of Carbon. Lectures and recitations on the more typical organic compounds and their important derivatives.

Perkin and Kipping's Organic Chemistry. This course will alternate with Chemistry 3 and 6.

Elective in College. Three hours a week for the Winter and Spring terms. Credit, 6 term-hours.

Prerequisite: Chemistry 2.

5. ORGANIC PREPARATIONS.—This course is to be taken with course 4. It consists of the preparation and purification of typical organic compounds from the fatty and aromatic series, illustrating the important reactions, and a careful study of the reactions and compounds.

Gattermann: Preparation of Organic Compounds. This course must be preceded or accompanied by course 4.

Elective in the College. Three or six hours a week for the Winter and Spring terms. Credit, 2 or 4 term-hours.

6. PRACTICAL AND APPLIED CHEMISTRY.—A practical course in commercial and household chem-

istry. The detection of impurities in food products, the chemistry of cooking and other problems of interest in daily life make up the work.

Elective in College. Recitations one or two hours a week. Laboratory nine or twelve hours a week for the winter term. Offered in 1916-1917. Credit, 5 term-hours.

Prerequisite: Chemistry 2.

7. HISTORY OF CHEMISTRY.—This is a study of the lives of men who have been instrumental in the development of this science. Lectures and recitations with collateral reading.

Elective in the College. Two hours a week for the Spring term. Credit, 2 term-hours.

Prerequisite: Chemistry 1.

8. AGRICULTURAL CHEMISTRY.—A series of courses in analysis of soils, fertilizers and farm products. The credit and time to be arranged with the head of the department.

Prerequisite: Chemistry 2 and 3, and for parts of the course Chemistry 4.

COMMERCIAL BRANCHES

The University does not offer a full commercial course, but provides for instruction in most commercial subjects. These may be taken as part of the Academy Course, but not more than two units will be accepted for credit in this course; but those who take more than the two units will be given a certificate showing the actual work done. Those who apply for admission to the commercial subjects must either by examination or by certificate show proficiency in the common branches as covered by the eighth grade. A high degree of proficiency will be required in Spelling and Grammar.

Those who are not pursuing the Academy course must take English 1, unless they can show credits for it or its equivalent. The following courses are offered:

1. **PENMANSHIP.**—The aim in the work will not be to cultivate an ornamental hand, but to give the student good form and easy and rapid movement.

Four recitations a week for the year. Credit permitted by the term. Credit, 6 term-hours.

2. **COMMERCIAL ARITHMETIC.**—This work will be based on a text that covers the practical applications of arithmetic to business life.

Elective in the Academy. Five hours a week for the fall term. Credit, 5 term-hours.

3. **COMMERCIAL GEOGRAPHY.**—A study of markets, products, and methods and lines of transportation.

Elective in the Academy. Five hours a week for the Spring term. Credit, 5 term-hours.

4. **COMMERCIAL LAW.**—The study embraces legal principles governing business relations; contracts, sales, interest and usury, bills and notes, agency, partnership, and similar subjects.

Elective in the Academy. Five hours a week for the Winter term. Credit, 5 term-hours.

5. **BOOKKEEPING.**—The Budget System is taught. The text book is used for reference chiefly. The student becomes familiar with the Journal, Cashbook, Salesbook, Checkbook, and Ledger. Both class and individual work are required. Unless pupils have a good, clear business handwriting, they must take penmanship.

Elective in the Academy. Five hours a week for the entire year. Credit, 15 term-hours.

6. **TYPEWRITING.**—The touch system is taught. The aim is to secure accuracy and speed. Special attention is paid to correct spelling, capitalization,

punctuation, and paragraphing. Those who take typewriting should take shorthand at the same time. No credit will be given on the year's work unless a speed of 45 words a minute is attained.

Elective in the Academy. Five hours a week for the year besides practice hours. Credit, 15 term-hours.

7. **SHORTHAND.**—No credit will be given in this course unless a speed of 100 words a minute is attained. Those who take shorthand should take typewriting at the same time.

Elective in the Academy. Five hours a week for the year. Credit, 15 term-hours.

DOMESTIC ART AND SCIENCE

These courses are of special value to young women and will materially assist them in acquiring a practical knowledge of cooking and sewing and thus train them in two important branches of Home Economics. In the history of art it would be difficult to find a subject of more universal interest than fine needle work. The problem of putting the art of sewing on a scientific basis and making it a part of the education of women is just being solved. The educational value of sewing consists in training the eye and hand, developing ingenuity, cultivating good taste, enlarging the sense of beauty and indirectly teaching industry and patience.

1. **DOMESTIC ART—SEWING AND DRAFTING.**—Elementary stitches are given first. This includes seams, hems, bands, plackets, darning, patching, ornamental stitches, applied work.

The Twentieth Century System of drafting is used. Study of principles governing pattern drafting with practical application in cutting, fitting, designing, and making garments and tailoring.

Elective in Academy and College. Two hours a week throughout the year. Enrollment at any time. Credit permitted by the term. Credit in Academy

for the year, 3 term-hours; in the College, 2 term-hours.

2. DOMESTIC SCIENCE.—The women who take this course will gain an insight into the work of the home and skill in the performance of some of its duties. The subject deals with the proper treatment of food stuffs; the art of right living; science in the household; cooking and diet.

Elective in Academy and College. Two hours a week throughout the year. Credit in Academy for the year, 3 term-hours; in the College, 2 term-hours.

EDUCATION

1. HISTORY OF EDUCATION.—An elementary course, covering the history of educational thought and systems from the earliest times. Brief study of the great educational reformers who have influenced modern pedagogy; as, Comenius, Froebel, Pestalozzi, Rousseau and Herbart.

Elective for college students, or special students who desire preparation for teaching. *With Course 2, forms a daily course for teachers pursuing courses under Class A and B in the normal department. Three hours a week during the Fall term. Offered also in Spring term for teachers desiring to qualify for Classes A and B. Credit, 3 term-hours.

Prerequisite: A course in elementary psychology is advised.

2. EDUCATIONAL CLASSICS.—A historical and critical study of the educational writings of some of the following: Froebel, Rousseau, Pestalozzi, Herbart and Spencer. The writings selected for each year will be determined by the judgment of the teacher.

Elective for college students and open to special students taking teachers' training under *Classes A and B. For teachers' training course should be taken with Course 1 to make five hours. Two hours a week during the Fall term. Offered also in the Spring term for teachers desiring to qualify for Classes A and B. Credit, 2 term-hours.

Prerequisite: Education 1, or must be taken at the same time.

3. PEDAGOGY.—An elementary course in general pedagogy by text-book and lectures.

Elective. Two hours a week for the Winter term. Credit, 2 term-hours.

Prerequisite: Philosophy 1 or 6 advised.

4. SCHOOL MANAGEMENT.—Study of the school as an organism. Discussions of various problems of the school room, such as class organization and seating, discipline, etc. Text and lectures.

Elective for College students. Two hours a week during the winter term. Credit, 2 term-hours.

5. GENERAL METHOD.—General principles underlying the recitation.

Elective for College students. Three hours a week during the winter term. Credit, 3 term-hours.

6. PHILOSOPHY OF EDUCATION.—A philosophical study of the principles of education and a critical treatment of historical systems.

Elective for College juniors and seniors. Two hours a week during the Winter and Spring terms. Credit, 4 term-hours.

Prerequisite: Education 1 and 3, or equivalent.

7. EDUCATIONAL PSYCHOLOGY.—A study of the laws of mental development, especially in relation to the subjects of instruction, and in relation to moral training and to discipline. Educational values.

Elective. Five hours a week during the Spring term. Credit, 5 term-hours.

8. *METHODS IN COMMON SCHOOL SUBJECTS.

A. Teachers' course in Arithmetic.

B. Teachers' course in United States History.

C. Teachers' course in Geography.

D. Teachers' course in Grammar.

One of these courses required of teachers working on Class A or Class B requirements. Elective for

College credit. Five hours a week during the Spring term, or in other terms when desired by five or more students. Credit on College course, 3 term-hours.

9. *METHODS IN HIGH SCHOOL SUBJECTS.

A. Teachers' course in High School Biology. (See department of Biology, Course 8.)

B. Teachers' course in High School English. (See department of English, Courses 5 and 19.)

C. Teachers' course in High School History. (See department of History, Course 15.)

D. Teachers' course in High School German. (See department of German, Course 9.)

One of these courses required of teachers working on Class A or Class B requirements. Elective for College credit. Five hours a week during the Spring term or in other terms when desired by five or more students. Credit, 5 term-hours.

10. OBSERVATION.—Teaching is observed in the Public Schools of Upland and nearby cities, as well as in the Academy and Pre-Academic classes of this institution.

*At the time of going to press organization of the work in teachers' training with a view to accreditation by the Teachers' Training Board of the State is in progress but this statement must not be taken as a guaranty of such accreditation. Write for later information.

ENGLISH LANGUAGE AND LITERATURE

The aim of the English department is to cultivate the use of pure English and also a taste for good literature. The work therefore includes much composition, and extensive study of masterpieces of poetry and prose. In place of the masterpieces named equiv-

alents may be substituted. College students desiring to specialize in English should begin their elective work with courses 18, 15 and 17, before proceeding to the intensive study of individual authors. English 12 is best taken by such students for two terms of the Sophomore year and two in the Junior year, with 14, 9 and 16, or 8, 10 and 11 groups which will be given in alternate years.

1. **ELEMENTARY COMPOSITION AND RHETORIC.**—The work comprises Part I of Hitchcock's New Practice book in English or an equivalent—with frequent exercises in composition and drill in punctuation and other technicalities. Scott's Marmion or Lady of the Lake; Dicken's Christmas Carol; Tennyson's Enoch Arden; Hawthorne's Twice Told Tales; Lowell's Vision of Sir Launfal; Shakespere's Merchant of Venice.

Outside reading. At least one of the following: Hale's A Man Without a Country; Gaskell's Cranford; Hughes' Tom Brown at Rugby; Cooper's Deer Slayer; Hawthorne's House of Seven Gables.

Required in the first year of the Academy and of the English Bible Course. Four recitations a week throughout the year. Credit, 12 term-hours.

Prerequisite: Eighth grade Grammar.

2. **ADVANCED GRAMMAR.**—A course in Grammar of the High School grade. Part 2, Grammar of Hitchcock's New Practice Book or an equivalent.

Required in the second year of the Academy and of the English Bible Course. Four recitations a week throughout the Fall term. Credit, 4 term-hours.

Prerequisite: English 1.

3. **COMPOSITION AND RHETORIC AND CLASSICS.**—The work comprises the completion of Hitchcock's New Practice Book or its equivalent, and the study of the following classics upon which much of the theme work will be based. Addison's Sir Roger de Coverly Papers; Shakespere's Julius Caesar; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Irving's Sketch Book; Byron's Prisoner of Chillon.

Required in the second year of the Academy and of the English Bible Course. Four recitations a week throughout the Winter and Spring terms. Credit, 8 term-hours.

Prerequisite: English 2.

4. HISTORY OF ENGLISH AND AMERICAN LITERATURE.—Text. Hitchcock; Rhetoric and the Study of Literature; and the study or reading of the following classics:

First term: Chaucer's Prologue and Knight's Tale; Milton's L'Allegro, Il Penseroso, Comus, Lycidas.

Second term: Shakespere's Macbeth; Irving's Life of Goldsmith; Goldsmith's Deserted Village.

Third term: Burke's Conciliation With the American Colonies; one of Emerson's Essays; American Poets; Bryant, Whittier, Longfellow.

Required in the third year of the Academy and of the English Bible Course. Four recitations a week for the entire year. Credit, 12 term-hours.

Prerequisite: English 3.

5. ADVANCED RHETORIC AND COMPOSITION.—The text used is Hitchcock's; Rhetoric and the Study of Literature. The work is combined with frequent essays and the study or reading of the following masterpieces: Fall term, Milton's Paradise Lost. Winter term, Shakespere's Coriolanus or one of the comedies; Matthew Arnold's Sohrab and Rustum; two of Tennyson's Idylls of the King. Spring term, Holmes' Autocrat of the Breakfast Table and Hawthorne's Scarlet Letter.

Outside reading, at least one of the following: Kingsley's Westward Ho; Thackeray's The Newcomes; Hughes' Tom Brown at Oxford; George Eliot's Mill on the Floss; Jane Austen's Pride and Prejudice.

Elective. Three recitations a week for the entire year. Open to both Academy and College students with a credit of 3 hours a term. Normal students de-

siring work for class A and B, teachers' training, will combine this course with the teachers' course in grammar—English 19—to make the required 5 hours.

Prerequisite: English 3.

6. COLLEGE RHETORIC.—The text is Linn's "Essentials" and "Illustrative Examples," and the work includes the constant writing of themes and essays.

Required for graduation from College. Three recitations a week for the Fall and Winter terms. Credit, 6 term-hours.

Prerequisite: Three years of Academy English.

7. ARGUMENTATION.—The work comprises the study of a text and practice in debating and argumentative composition.

Required for graduation from College and open to students in the School of Expression. By special permission students may substitute for this course an equal number of hours in English 12. Three recitations a week for the Spring term. Credit, 3 term-hours.

Prerequisite: Three years of Academy English.

8. POETICS.—A study of the subject matter, forms and meters of poetry, based on Gummere's "Poetics." May be taken as an introduction to the course in Poetry, English 10 and English 11.

Two recitations a week for the Fall term. Credit, 2 term-hours.

Prerequisite: English 6.

9. SHAKESPERE.—A careful study of at least five of Shakespere's plays not previously studied by the class.

Elective in alternate years. Offered 1916-17. Credit, 3 term-hours.

Prerequisite: English 6.

10. ENGLISH POETRY.—Especially Byron, Shelley, Keats and Tennyson.

Elective. Two recitations a week for the Winter term. Credit, 2 term-hours.

Prerequisite: English 6.

11. BROWNING.—A study of the poetry of Robert Browning.

Elective. Two recitations a week for the Spring term. Credit, 2 term-hours.

Prerequisite: English 6.

12. ADVANCED COMPOSITION.—An advanced course in English Composition.

Elective. Two recitations a week for the year. Offered two terms each year. Credit permitted by the term. Can be taken as a one-hour course.

14. THE RISE OF THE DRAMA.—The work will include the reading of dramas of various periods, with the study of the development of the drama.

Elective. Three recitations a week for the Fall term in alternate years. Offered in 1916-17. Credit, 3 term-hours.

Prerequisite: English 6.

15. EIGHTEENTH CENTURY LITERATURE.—The work will include the reading of biographies of representative authors of the period, and study of their works.

Elective. Two recitations a week for the Winter term. Credit, 2 term-hours.

Prerequisite: English 6.

16. THE RISE OF THE NOVEL.—A study of the development of the novel with the reading of novels of various periods.

Elective. Three recitations a week for the Spring term of alternate years. Offered in 1916-17. Credit, 3 term-hours.

Prerequisite: English 6.

17. NINETEENTH CENTURY LITERATURE.—The work will include the reading of biographies and of works of authors of the nineteenth century.

Elective. Two recitations a week for the Spring term. Credit, 2 term-hours.

Prerequisite: English 15.

18. EARLY ENGLISH LITERATURE; THE EPIC.—Study of the development of the Epic, and reading

of early Middle English poetry, Chaucer and Spencer.

Elective. Two recitations a week for the Fall term. Credit, 2 term-hours.

Prerequisite: English 6.

19. TEACHERS' COURSE IN ENGLISH GRAMMAR.—English Grammar from the teachers' point of view, with methods of teaching grammar.

Elective. Two recitations a week for the Spring term.

Credit, 2 term-hours for College students. Normal students desiring work in classes A and B, teachers' training, combine this course with English 5—3 hours—to make the required 5 hours.

EXPRESSION

It is the aim of this department to teach Oratory as an art, based upon the laws of nature; and to give students thorough and systematic training in the principles of expression. Every student is required to express himself in many ways; to converse, to tell stories, to read aloud, to give monologues, to abridge the ablest masterpieces of fiction, and to give dramatic impersonations.

1. ELEMENTAL EXPRESSION.—The fundamental tone modulations. Art of thinking, and responsiveness of body and voice to thinking and feeling are presented.

Required in the School of Oratory and the English Bible Course. Elective in the Academy and the College. Three hours a week for the year. Credit, 9 term-hours.

2. EXPRESSION OF CLASSICS.—This year is a continuation of the preceding year and introduces study and rendering of selections from the classics. In these two years the Theological students are given special attention and practical work.

Required in the School of Oratory and the English Bible Course. Three hours a week for the year. Credit, 9 term-hours.

Prerequisite: Expression 1.

3. **DRAMATIC EXPRESSION.**—In addition to training of voice and body attention is given to development of the imagination as an aid to interpreting Shakespere and other classical writings.

Required in the School of Oratory. Three hours a week for the year. Credit, 9 term-hours.

Prerequisite: Expression 2.

4. **ARTISTIC EXPRESSION.**—In this year the student reads several of Browning's monologues, and plays of Shakespere and receives instruction in Bible reading. If he receives a diploma he must give a public recital.

Required in the School of Oratory. Three hours a week for the year. Credit, 9 term-hours.

Prerequisite: Expression 3.

5. **PULPIT ORATORY.**—This work will consist of readings from classics, Bible reading, hymn reading, and practical work appropriate to each student's needs.

Required of Seminary Theological students. One hour a week. Credit, 3 term-hours.

Prerequisite: Expression 1.

FRENCH

The aim of the course in French is to lead to an intelligent reading and accurate pronunciation of the language, and to prepare the student to carry on a correct and intelligent conversation. Considerable time is spent in training the ear to understand the spoken language and in practicing the articulation peculiar to the French tongue.

1. **BEGINNING FRENCH.**—Fontaine's "Nouveau Cours Francais;" Guerber's "Contes et Legendes;" Halevy's "L'Abbe Constantin;" Labiche et Martin's "Le Voyage de M. Perrichon." Drill in dictation, composition and conversation work.

Elective for students in the College and in the third and fourth years of the Academy. Four recitations a week for the year. Credit, 12 term-hours, if

taken by College students. If elected for Academy credit, five recitations a week, and 15 term-hours of credit.

2. SECOND YEAR FRENCH.—Feuillet's "Le Roman d'un Jeune Homme Pauvre;" Labiche's "La Cigale Chez les Fourmis;" Sand's "La Mare au Diable;" Sandeau's "Mlle. de La Sieglière;" Balzac's "Le Cure de Tours;" Buffum's "French Short Stories." More advanced work in grammar, composition and conversation.

Elective. Four recitations a week for the entire year. Credit, 12 term-hours, if taken by College students. If elected for Academy credit, five recitations a week, and 15 term-hours of credit.

Prerequisite: French 1.

NOTE.—The course "Methods of Teaching Modern Languages" is open to students in this department. See course under German.

GEOLOGY

1. PHYSICAL GEOGRAPHY.—The aim of this course is to give the student a better understanding of the forces which have given the earth its form and which are still active in giving detail and variety to its surface. The water, land, and air are all studied in their relation to the processes of erosion and rebuilding. A study of weather maps is made and students learn to interpret and draw them. Other experiments and field trips help to make the course practical. The location of the University upon a prominent moraine makes it an ideal place for such a course. Such texts as Tarr's, Dryer's, and Salisbury's are used.

Elective for Academy students. Four hours a week or equivalent in laboratory or field trips for the first half of the year. Credit, 6 term-hours.

2. GENERAL GEOLOGY.—A course in dynamical, structural, and historical geology. Some of the recitations will be replaced by field trips or laboratory work.

Elective in the College. Three hours a week throughout the year. Credit, 9 term-hours.

Prerequisite: Physics 1 and Chemistry 1.

GERMAN

The aim of this department is two-fold: First, to enable the student to enjoy the vast and rich field of German Literature and to read scientific and philosophical German; second, to acquire a conversational use of the language. With these objects in mind the course has been arranged to include German classics, scientific German and a History of the Literature, and the recitations are, as far as practicable, conducted in German.

1. BEGINNING GERMAN.—The work comprises drill upon connected pronunciation and upon the rudiments of grammar; conversation and training of the ear as well as of the eye. German is used in much of the class-room instruction. Texts, Fall term, Ham and Leonard, "Brief German Grammar" and Guerber's "Märchen und Erzählungen;" Winter term, Baumbach's "Im Zwielficht" or an equivalent; Spring term, Storm's "Immensee."

Elective for students in the College and in the third and fourth years of the Academy. Four recitations a week throughout the year. Credit, 12 term-hours, if taken by College students. If elected for Academy credit, five recitations a week, and 15 term-hours of credit.

2. SECOND YEAR GERMAN.—Thomas's "German Grammar;" Hillern's "Höher als die Kirche," and Heyse's "Niels mit der offenen Hand" or equivalents; Wilhelmi: "Einer muss Heiraten;" Seidel: Leber-echt Huhnchen; Schiller's "Wilhelm Tell."

Elective. Four recitations a week for the year. Credit, 12 term-hours, if taken by College students. If elected for Academy credit, five recitations a week, and 15 term-hours credit.

Prerequisite: German 1.

3a. GERMAN COMEDY.—Lessing's *Minna von Barnhelm*; essays and conversation; Freitag's *Die Journalisten*.

Elective. Three recitations a week for the Fall term. Credit, 3 term-hours.

Prerequisite: German 2.

3b. GERMAN CLASSICS.—Goethe's "*Hermann and Dorothea*" or essays and conversation on *Iphigenie*.

Elective. Three recitations a week for the Winter term. Credit, 3 term-hours.

Prerequisite: German 2.

3c. MODERN GERMAN PROSE.—Sudermann; *Frau Sorge*, essays and conversation or equivalent.

Elective. Three recitations a week for the Spring term. Credit, 3 term-hours.

Prerequisite: German 2.

4a. LESSING.—*Nathan der Weise*.

Elective. Two recitations a week for the Fall term. Credit, 2 term-hours. Offered alternately with German 6.

4b. GOETHE.—*Faust*, Part I.

Elective. Two recitations a week for the Winter term. Credit, 2 term-hours. Offered alternately with German 7.

Prerequisite: German 2.

4c. SCHILLER.—*Wallenstein*.

Elective. Two recitations a week for the Spring term. Credit, 2 term-hours. Offered alternately with German 10.

Prerequisite: German 2.

5a. SCIENTIFIC GERMAN.—Brandt and Day's *Scientific Reader*.

Elective two recitations a week for the Fall term. Credit, 2 term-hours. Offered when elected by a sufficient number of students.

Prerequisite: German 2.

5b. SCIENTIFIC GERMAN.—Readings from *Scientific Reader*.

Elective. Two recitations a week for the Winter term. Credit, 2 term-hours. Offered when elected by a sufficient number of students.

Prerequisite: German 5a.

6. GERMAN LYRIC POETRY.—Study of classic and modern lyrics and ballads, with attention to metre and expression.

Elective. Two recitations a week for the Fall term, alternating with German 4a.

Prerequisite: German 2.

7. COMPOSITION AND CONVERSATION.

Elective. Two hours a week for the Winter term. This course can be taken more than once. Credit, 2 term-hours. Offered in alternation with German 4b.

Prerequisite: German 2.

8. HISTORY OF GERMAN LITERATURE.—Text. Kluge; Deutsche National Literature or an equivalent.

Elective. Two hours a week for the Winter term. Offered when desired by a sufficient number of students.

Prerequisite: At least 10 hours of German beyond course 2.

9. THE TEACHING OF MODERN LANGUAGES.

Elective. Two recitations a week for the Spring term. Credit, 2 term-hours for college students. Normal students desiring work for Class A and B, teachers' training, combine this course with German 3a, 3b and 3c—3 hours a term—to make the required five hours of a modern language.

10. THE GERMAN NOVELLE.—Study of the Novellen of Meyer, Storm, Keller, Heyse, with attention to literary style and artistic technique.

Elective. Two recitations a week for the Spring term. Credit, two term-hours. Offered alternating with German 4c.

Prerequisite: German 2.

GREEK

The aim of the Greek Course is to give the student a thorough knowledge of Greek Grammar and

to guide him to an appreciation of Greek Literature. The first two years are devoted largely to the acquisition of fundamental grammatical data as a means of interpretation. The artistic elements of the authors read are studied more by comparison and contrast. After the first year students are required to make use from time to time of Jevon's History of Greek Literature; the instructor will assign such special tasks in the text as to throw all possible light on the work read.

The courses in the New Testament may be taken up after the completion of the second year's work. Courses 5 and 6 and 11 and 12 will be given in alternate years. Courses 6 and 12 given in 1916-17.

1. BEGINNING GREEK.—With White's Beginner's Greek Book as a text the student is given a good training in the fundamental principles of the language. The rules of syntax are emphasized. Xenophon's Anabasis. Book I.

Required of Theological students. Four hours a week for the year. Credit, 12 term-hours, if taken by College students. If elected for Academy credit, five hours a week and 15 term-hours credit.

Prerequisite: Latin 1.

2. XENOPHON AND PROSE.—Anabasis. Books 2, 3 and 4. Lysias' Orations. Elementary Prose Composition, 1 period a week throughout the year with grammatical review.

Required of Theological students. Four hours a week for the year. Credit, 12 term-hours, if taken by College students. If elected for Academy credit, five hours a week and 15 term-hours credit.

Prerequisite: Greek 1.

3. POETRY.—Selections from the Iliad and Odyssey of Homer. Studies and papers on the legends and literature of Greece.

Three hours a week for the year. Credit permitted by the term. Credit, 9 term-hours.

Prerequisite: Greek 2.

4. HISTORY AND DRAMA.—Plato: Apology and Crito. Euripides: Alcestis. Papers on the origin,

development, and influence of the drama. Selections from Herodotus. Research work in History of the period.

Two hours a week for the year. Credit permitted by the term. Credit, 6 term-hours.

Prerequisite: Greek 2.

5. ORATORY AND COMEDY.—Demosthenes: On the Crown or Phillipics. Aristophanes: Frogs or Clouds.

Four hours a week for the year. Credit permitted by the term. Credit, 12 term-hours.

Prerequisite: Greek 3 or 4.

6. ADVANCED HISTORY AND DRAMA.—Thucydides and History of the period. Papers required. Æschylus: Prometheus Bound. Spring term. Sophocles: Antigone, or an equivalent.

Four hours a week for the year. Credit permitted by the term. Credit, 12 term-hours.

Prerequisite: Greek 3 or 4.

7. ADVANCED PROSE COMPOSITION.—This course may be taken in connection with Greek 5 or 6.

One hour a week for the year. Credit permitted by the term. Credit, 3 term-hours.

Prerequisite: Greek 4 or equivalent.

8. NEW TESTAMENT GREEK AND EXEGESIS.—This course is occupied with the Gospels and selections from certain epistles and the Apocalypse that bear on the matter in the Gospels, the peculiarities of the text studied receiving careful attention. A study of the vocabulary and syntax of Biblical Greek is made throughout the course.

Required in the Seminary Theological Course. Three hours a week throughout the year. Credit permitted by the term. Credit, 9 term-hours.

Prerequisite: Greek 1 and 2.

9. NEW TESTAMENT GREEK AND EXEGESIS.—The chief Doctrinal and Practical Epistles compose this course, the writings being expounded in the light of grammatical and textual criticism.

Required in the Seminary Theological Course. Three hours a week throughout the year, except to seniors in the Seminary Theological Course. Credit permitted by the term. Credit, 9 term-hours.

Prerequisite: Greek 1 and 2.

10. NEW TESTAMENT GREEK AND EXEGESIS.—This course is made up of such parts of the New Testament as are not embraced in the previous courses, together with portions of the Septuagint, with special reference to the use made of that ancient version by the New Testament writers.

Elective in the Seminary Theological Course. One hour a week. Credit permitted by the term. Credit, 3 term-hours.

Prerequisite: Greek 8 and 9.

1. LIFE AND LANGUAGE OF THE GREEKS.

Elective. One hour a week for the year. Credit permitted by the term. Credit, 3 term-hours.

Prerequisite: Greek 2.

12. GREEK ARCHEOLOGY.

Elective. One hour a week for the year.

Omitted in 1916-17. Credit permitted by the term. Credit, 3 term-hours.

HEBREW

1. ELEMENTS OF HEBREW.—Harper's Elements and Manual are the text-books used in this course. The grammar is studied during the Fall and Winter terms, and during the Spring term either Joshua and Ruth or the book of Judges is read.

Required in the Seminary Theological Course. Elective in the College. Three hours a week for the year. Credit, 9 term-hours.

2. HEBREW TRANSLATIONS AND EXEGESIS.—The reading during this year will be Hosea and Amos with careful exegesis of the books, and a study in Old Testament prophecy.

Elective in the Seminary Theological Course and in the College. Two hours a week for the year. Credit permitted by the term. Credit, 6 term-hours.

Prerequisite: Hebrew 1.

3. ADVANCED HEBREW TRANSLATION AND EXEGESIS.—The books to be read during the year are chosen at the discretion of the teacher. Some of the Psalms will be read with a study of the book of Psalms.

Elective in the College or the Seminary Theological Course. Two hours a week for the year. Credit permitted by the term. Credit, 6 term-hours.

Prerequisite: Hebrew 2.

HISTORY AND POLITICAL SCIENCE

Some one has defined history as that part of the recorded past which explains the present. This department includes a survey of the civilization of seven thousand years, from its pomp and splendor in the valleys of the Nile and Euphrates, five thousand years before the advent of Christ, to the twentieth century.

College courses in history lay emphasis upon constitutional, social, and economic development, besides giving valuable general information and furnishing a foundation for courses in Political Science, Economics, Philosophy, Sociology, and Ancient and Modern Languages.

The following courses are offered:

1. ANCIENT HISTORY.—After a brief study of the oriental nations which bordered upon the Mediterranean the advance of civilization is followed to Greece, the home of philosophy and art, and thence to Rome, the seat of the mighty empire which gave to the modern world its systems of law and government.

Required in the first year of the English Bible Course, and strongly advised as the required year of History in the Academy. Elective elsewhere. Four hours a week throughout the year. Credit, 12 term-hours.

2. MODERN HISTORY.—In this course is traced the development of each European nation from its feeble attempts at nationality to its present power; the rise of mighty systems; the adventurous Crusades, and then the horrible Inquisition of the Christian Church; the struggle of the papal hierarchy for tem-

poral supremacy; and the intellectual and political expansion of Europe through eleven centuries.

Elective in the Academy and the English Bible Course. Four hours a week during the entire year. Credit, 12 term-hours.

3. AMERICAN HISTORY.—In this course the student reviews the period of colonization and expansion, the heroic struggles for independence and for unity, studies the various moral and international questions which have confronted the American people and considers thoughtfully the free institutions, increasing prosperity, and promising future of our great commonwealth.

Elective in the Academy. Four hours a week during the Fall and Winter terms. Credit, 8 term-hours.

4. CIVICS.—In the pursuance of this science the evolution of our government is traced through its various attempts at union to the adoption of the Constitution, of which a philosophical study is made. Thoughtful attention is given to the advantages of a representative democracy in developing individual initiative and educating its citizens in political responsibility. A careful study is made of the several departments of government and their relation to each other. State and municipal governments are considered and international law and American politics receive attention.

Elective in the Academy and the English Bible Course. Four hours a week during the Spring term. Credit, 4 term-hours.

5. ENGLISH HISTORY.—The course has been arranged to include a study of the great movements by which ancient Britain has become modern England. The fusion of the races, the growth of commerce and manufactures, and the varied social and economic reforms are emphasized; the legal systems and tariff policy are recognized as contributions to civilization, while particular attention is directed to England's unwritten constitution and the unique com-

bination in government of a representative legislative body with a hereditary monarch.

Elective for College students. Two hours a week during the year. Omitted in 1916-17. Credit, 6 term-hours.

6. HISTORY OF CIVILIZATION.—The student follows the lectures of the distinguished statesman, Guizot, reviewing with him the historic events which mark the development of modern European civilization, noting the imperial attempts at reform, the good and evil influences of the Christian Church, the progress of the human mind from theological to humanistic thought and its final emancipation. Attention is given to the important part which monarchy has played in European history, the social and moral effect of the free cities, the results of the Crusades upon individual and political life, and the fruits of the Lutheran Reformation in church and state. Step by step the evolution of modern civilization is thus followed.

Elective for College students. Two hours a week for the Winter and Spring terms. Omitted in 1916-17. Credit, 4 term-hours.

Prerequisite: History 1 and 2.

7. INTERNATIONAL LAW.—The course covers the following principal divisions: (a) The grounds of International Law, its sources and growth. (b) The powers and rights of states in time of peace. (c) The rules and usages governing belligerents. (d) The moral and jural relations between neutrals and belligerents. (e) Modes of arbitration and movements tending toward universal and permanent peace. Perhaps in no other study is Christianity as a world-force so clearly revealed. Library work on certain phases of the subject is required of each student.

Elective for College students. Two hours a week for the year. Offered in 1916-17. Credit, 6 term-hours.

Prerequisite: History 1, 2 and 4.

8. THE RENAISSANCE AND THE REFORMATION.—The intellectual awakening which had its rise in the Italian Renaissance, and the cultural and artistic aspects of the new impulse will be studied in relation to the nature and results of the Reformation; and the transition from medieval to modern times.

Elective for College students. Three hours a week for the Spring term. Omitted in 1916-17. Credit, 3 term-hours.

9. AMERICAN HISTORY.—This course is planned with a view to giving a more comprehensive and available knowledge of the crises in our nation's history than the High School Course can give.

Emphasis will be laid upon the following subjects: (a) Colonial Wars. (b) The Constitution. (c) Slavery. (d) Civil War. (e) Reconstruction. (f) Great American Statesmen.

Elective for College students. Five hours a week for the Winter term. Offered in 1916-17. Credit, 5 term-hours.

10. HISTORY OF FRANCE.—The work in this course will comprise a study of France, beginning with the rise of the Capetian dynasty, which gave this country a line of rulers lasting to the end of the eighteenth century, and built up the first strong, centralized modern state.

We shall see France take its place as the foremost country of Europe, politically and intellectually. Its history will be followed through the periods of colonial development, internal religious strife, and conflicts with the parliament. The social and economic problems which distinguished the old regime will be seen giving place to "excess of freedom" and equality, in the frenzied days of the Revolution. The mistakes and atrocities of this period, the rapid succession of governmental forms, and the gradual evolution of the present constitution, together with the important problems which lie before the French people at the present time, will all receive consideration.

Elective for College students. Three hours a week

for the Fall and Winter terms. Omitted in 1916-17. Credit, 6 term-hours.

11. HISTORY OF THE HOLY ROMAN EMPIRE.—This course will follow the rise and decay of the Medieval Empire, its struggle with the Papacy, its relation to the Crusades, the Renaissance, and the Reformation, and its influence upon European thought and institutions.

Elective for College students. Two hours a week for the Fall and Winter terms. Offered in 1916-17. Credit, 4 term-hours.

12. EUROPE IN THE NINETEENTH CENTURY.—A preliminary review of the nature and effect of the French Revolution; the reactions and revolutions of the first half century; the unification and expansion of nations; five great international wars; the partition of Africa; industrial and humanitarian reforms; and great statesmen of the century; are among the subjects studied in this course.

Elective for College students. Four hours a week for the Spring term. Offered in 1916-17. Credit, 4 term-hours.

Prerequisite: At least 4 term-hours of College history.

13. HISTORY OF CONSTITUTIONAL DEVELOPMENT.—The aim of this course is to trace the causes that have contributed to the inception and development of constitutional government; to explain the philosophy of these causes, and show their bearing on the crises in civic affairs that have resulted in partial or total changes in forms of government.

Elective for College students. Two hours a week for the Fall and Winter terms. Not offered in 1916-17. Credit, 4 term-hours.

Prerequisite: History 5 or 10.

14. CURRENT HISTORY.—This course is designed for the study and discussion of current events, and the interpretation of present history in the light of the past. It aims also at arousing an interest in pub-

lie questions and in political and constitutional movements.

Elective for College students. One hour a week for the year. Credit permitted by the term. Credit, 3 term-hours.

LATIN

The chief aims of the department are mental discipline, an appreciation of Roman Literature, and a better comprehension and understanding of the English language through the study of the Latin. The student's powers of judgment, discrimination, definition, reason and memory are cultivated, as well as the art of translating a language. Thorough work is the efficient means to such attainment.

1. BEGINNING LATIN.—First, the fundamental relationship of the Latin to the English language is taught continually while the elementary principles of Latin are studied throughout the year. Especial emphasis is laid upon the mastery of the declensions, the conjugations and the syntactical uses of the Subjunctive Mood, and Indirect Discourse. Simple selections in Latin will be read with a view to preparing the student for Cæsar.

Required for graduation from the Academy. Five recitations a week for the year. Credit, 15 term-hours.

2. CÆSAR AND PROSE.—Cæsar's Commentaries on the Gallic War, Books I-IV. Studies from the Latin Grammar and Prose Composition are supplementary to the translation.

Required for graduation from the Academy. Four recitations a week for the year. Credit, 12 term-hours.

Prerequisite: Latin 1.

3. CICERO'S ORATIONS AND PROSE.—Six Orations of Cicero, including the four Cataline Orations, Pro Archia, and one other. Prose Composition is also continued. Attention is given to the study of Roman public and private life, and Roman methods and

attainments in education and law.

Elective in the Academy and the College. Four recitations a week for the year. Credit permitted by the term. Credit, in the Academy, 12 term-hours; in the College, 9 term-hours.

Prerequisite: Latin 2.

4. VIRGIL'S AENEID.—Books I-VI. This year's work includes also a study of various Figures of Speech, Metrical Reading, Mythology and Literary Merit of the poem.

Elective in the Academy and the College. Four recitations a week for the year. Credit permitted by the term. Credit in the Academy, 12 term-hours; in the College, 9 term-hours.

Prerequisite: Latin 2.

5. CICERO'S ESSAYS.—Philosophy: De Senectute and De Amicitia.

Elective in the College. Four hours a week for the Fall term. Credit, 4 term-hours.

Prerequisite: Three years of Latin.

6. PROSE COMPOSITION.—Latin Prose Composition based upon the text of Cicero's Essays. This is a comprehensive study of classical Latin Grammar and is most beneficial in giving a student a clear understanding of Latin Syntax and Style. Especially necessary for those preparing to teach Latin.

Elective in the College. Four recitations a week for the Winter term. Credit, 4 term-hours.

Prerequisite: Latin 5.

7. TACITUS.—Germania and Agricola; Essay, Biography and History.

Elective in the College. Four recitations a week for the Spring term. Credit, 4 term-hours.

Prerequisite: Latin 4.

8. HORACE.—Odes and Epodes: A study of Roman poetry of the classical age of Literature.

Elective in the College. Four recitations a week for the Fall term. Credit 4 term-hours.

Prerequisite: Latin 4.

9. LIVY.—Selections from Books I, XXI, XXII: History.

Elective in the College. Four recitations a week for the Winter term. Credit, 4 term-hours.

Prerequisite: Latin 4.

10. PLINY.—Pliny's Letters.

Elective in the College. Four recitations a week for the Spring term. Credit, 4 term-hours.

Prerequisite: Latin 4.

11. THE PRIVATE LIFE OF THE ROMANS.—This course is especially intended for High School and College students who desire a thorough account of Roman customs and life in the later Republic and earlier Empire, in order that they may better understand the countless references to them in the Latin texts which they read in the class-room.

Elective in Academy or College. Two hours a week for one term. Credit, 2 term-hours.

Prerequisite: Roman History and two years' study of Latin.

12. TYPICAL LATIN LITERATURE.—Selections from the following: Plautus, Terence, Ovid, Juvenal, Martial, Petronius, and Cicero.

Elective in the College. Two recitations a week for one, two or three terms. Credit, 2, 4, or 6 term-hours.

Prerequisite: Two years College Latin.

13. ADVANCED PROSE.—A special course in Classical Latin Grammar required of all majoring in Latin, or expecting to teach Latin.

Elective in College or Normal courses. Three recitations a week for one term. Credit, 3 term-hours.

Prerequisite: Five years' study of Latin.

MATHEMATICS

Mathematical studies are an essential for every student as a means of developing the logical faculties. The increased use of measurements and of mathematical methods in scientific studies makes a working knowledge of mathematics indispensable to students

who expect to do the best work in many lines of science. The courses are arranged to meet the demands for thorough mental discipline, for preparation for teaching, and for use in advanced work in applied sciences.

1. **ALGEBRA.**—This course covers the elementary principles of Algebra, including addition, subtraction, multiplication, division, factoring, highest common factor, lowest common multiple, fractions, simple equations, simultaneous equations, involution, evolution, theory of exponents, radicals, and quadratic equations.

Required in the first year of all Academy students. Credit, 12 term-hours.

2. **PLANE GEOMETRY.**—A study of plane figures including triangles, various forms of the quadrilateral, similar polygons, equivalent surfaces, regular polygons, circles, maxima and minima of plane figures, and many original exercises.

Required for graduation from the Academy. Four hours a week throughout the year. Credit, 12 term-hours.

Prerequisite: Mathematics 1.

3. **ALGEBRA.**—Rapid review of quadratic equations. Advanced work covering the theory of quadratic equations, ratio and proportion, variation, progressions, the binomial theorem and logarithms.

Elective in the Academy. Four hours a week the last half of the year. Credit, 6 term-hours.

Prerequisite: Mathematics 1.

4. **SOLID GEOMETRY.**—Relations of lines and planes in space, dihedral angles, polyhedrons, cylinders, cones, and spheres, with many original exercises.

Elective in the Academy and College. Four hours a week for the first half of the year. Credit, 6 term-hours in the Academy; four in the College.

Prerequisite: Mathematics 1 and 2.

5. **ADVANCED COLLEGE ALGEBRA.**—A brief review of equations under quadratic form, complex

numbers, proportion, variation, inequality, series, with more difficult problems than usually given in course 12. Graphic representation of equations, permutations, combinations, binomial theorem, limits, undetermined coefficients, partial fractions, continued fractions, logarithms, theory of equations, determinants, divergency and convergency of series, solution of higher equations.

Elective in the College. Five hours a week during the Fall term. Not offered in 1916-17. Credit, 5 term-hours.

Prerequisite: Mathematics 2 and 3 or 12.

6. PLANE TRIGONOMETRY.—Functions of angles; development of formulas; the transformation of trigonometric expressions by means of the formulas; theory and use of logarithms; solution of right and oblique triangles, with practical applications.

Elective except for College students majoring in major departments 6, 7 and 8. Five hours a week for the Winter term. Credit, 5 term-hours.

Prerequisite: Mathematics 2 and 3 or 12.

7. SPHERICAL TRIGONOMETRY.—Solution of the right and oblique spherical triangle. Practical applications to Navigation and Astronomy. This course should be pursued by all who expect to take Astronomy.

Required of students majoring in major department 6. Two hours a week for the Spring term. Credit, 2 term-hours.

Prerequisite: Mathematics 6.

8. SURVEYING.—Theory and practice in elementary surveying. Field work in land surveying, profile and topographical leveling. Triangulation in both horizontal and vertical planes.

Required of students majoring in major department 6. Three hours a week during the Spring term. Credit, 3 term-hours.

Prerequisite: Mathematics 6.

9. ANALYTICAL GEOMETRY.—Plane and solid. The straight line, circle, parabola, ellipse, hyperbola,

general equation of the second degree, higher plane curves, polar co-ordinates, transformation of co-ordinates, the point, plane, and surfaces of revolution.

Required of students majoring in major department. 6. Two hours a week for the year. Credit, 6 term-hours.

Prerequisite: Mathematics 4, 5 and 6.

10. DIFFERENTIAL CALCULUS.—Differentiation of algebraic and transcendental functions, successive differentiations, infinitesimals; expansion of functions, maxima and minima of functions, partial differentiations, direction of curves and envelopes.

Elective for College students. Three hours a week during the Fall and Winter terms. Credit, 6 term-hours.

Prerequisite: Mathematics 9.

11. INTEGRAL CALCULUS.—Integration of standard forms, rational and irrational fractions, application of integration to plane curves and certain volumes; successive integration.

Elective for College students. Three hours a week during the Spring term. Credit, 3 term-hours.

Prerequisite: Mathematics 10.

12. COLLEGE ALGEBRA.—Review of theory of exponents, equations under quadratic form, ratio and proportion, variation, binomial theorem, undetermined coefficients, partial fractions, and logarithms.

This course is made necessary by the changing standards on College entrance requirements in Mathematics. The course is of a higher grade than course 3, and lower than course 5.

Required of all College Freshmen who offer one year of Algebra, or Algebra through quadratics, for entrance and who major in major departments 7 and 8. Not open to students who have had course 3 or equivalent. Five hours a week for the Fall term. Offered in 1916-17. Credit, 5 term-hours.

Prerequisite: Mathematics 1 and 2.

MUSIC

As a small amount of music may be elected in the English Bible Course, the Academy, and the College, the class work offered in this subject is outlined below, showing where credit is allowed and amount of credit:

1. **SOLFEGGIO.**—Elements, properties and departments of music; terms; notation; intervals and scales; elementary singing in all keys.

Elective in the Academy and the English Bible Course. One hour a week for the year. Credit, 3 term-hours.

2. **SOLFEGGIO.**—Review of terms and scale study; more advanced sight reading in all keys.

Elective in the Academy and the English Bible Course. One hour a week for the year. Credit permitted by the term. Credit, 3 term-hours.

Prerequisite: Music 1.

3. **HISTORY OF MUSIC.**—The history of music, from its earliest beginnings to the present time, is studied. Matthew's "History of Music" is the textbook used, but the class is required to do much outside reading. This course is very helpful to those who wish to broaden their knowledge of music and musicians.

Required for graduation from the School of Music. Elective elsewhere. One hour a week throughout the year. Credit, 3 term-hours.

4. **FIRST YEAR HARMONY.**—Musical notation, keys, scales, intervals, chord connection, part writing, chords of the seventh, modulation, original work.

Required for graduation in music. Elective elsewhere. Two recitations a week for the year. Credit, 6 term hours.

Prerequisite: A thorough understanding of the major and minor scales.

5. **ADVANCED HARMONY AND COUNTERPOINT.**—Ear-training. Transposition, chromatically altered chords, enharmonic changes, suspensions, retardation,

anticipation, embellishment, pedal point, original compositions in all musical forms. Counterpoint is taken up during the Spring term.

Required for graduation in music. Elective elsewhere. Two recitations a week for the year. Credit, 6 term-hours.

Prerequisite: Music 4.

6. **ADVANCED SOLFEGGIO.**—More advanced chorus work, vocal drill, ear training, study of chords, use of baton in chorus work.

Elective in the College and Academy. One hour a week for the year. Credit, permitted by the term. Credit, 3 term-hours.

Prerequisite: Music 2.

Students taking private work in Harmony receive certificates upon a satisfactory completion of the course.

7. **PUBLIC SCHOOL MUSIC.**—For the scope and outline of this work see page 67.

PHILOSOPHY

In no department of a school of higher education are there graver responsibilities than in the department of Philosophy. The expanding mind is the inquiring mind, and all men will have a philosophy of some kind. The intelligence that respects itself and truth can not refuse to inquire and to seek for ultimate grounds and principles and explanations, and must not be unwilling to know what explanations of things have been given and are given by those who have devoted special attention to philosophic inquiry. At the same time, it is very important that the young Christian pursue his philosophical studies under teachers who have a vital Christian experience, who hold communion with their Maker, and who believe in the Bible as God's revealed will. Then, too, the atmosphere of faith and devotion that pervades the whole school life is an additional safeguard for those who enter this field where so often faith is vitiated. Systems of skepticism and extreme rationalism are not

likely to gain ascendancy over the mind where fervent piety and true devotion are kept to the front in the life of the school. These are considerations that should have weight with Christian students, for, in this age of psychological inquiry, every student who takes a College course, a theological course, a teacher's course, or almost any complete course of higher education, is required to do work in this department.

1. **PSYCHOLOGY.**—A course in general Psychology. Text-book and lecture method combined. Frequent comparisons are made of modern terminology, classification and method of treatment with those of the older Psychology. The course requires a working knowledge of Physiology and elementary Physics. It is a prerequisite for the Seminary course in the School of Theology or must be taken the first year.

Required for graduation from College and open to other students who are prepared for it. Five hours a week during the Fall term. Credit, 5 term-hours.

2. **LOGIC.**—A study of formal Logic, including terms, propositions, syllogisms with their rules and figures and fallacies. Both inductive and deductive methods are studied. Throughout the work the student is required to supplement the work of the text by numerous examples drawn from his own experience, observation, and reading.

Required of College students and open to students pursuing the full course in the School of Expression. It is a prerequisite for the Seminary course in the School of Theology or must be taken the first or second year. Two hours a week during the Winter and Spring terms. Credit, 4 term-hours.

3. **ETHICS.**—The fundamental ethical principles are correlated with the Christian ideal. This ideal is then analyzed and its realization in human experience discussed. Christian duties are enumerated and their relation to each other investigated.

Elective. Two hours a week for the year. Credit, 6 term-hours.

Prerequisite: Philosophy 1 or 6.

4. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY.—Beginning with Greek Philosophy, about 600 B. C., the progress of Philosophy is traced. Besides a brief biography of each great philosopher, the fundamental principles of his philosophy are studied. The work not only covers the schools of Greek thought, but also shows these systems in their relation to Christianity. Scholasticism and philosophy of the church fathers receive some attention. This course gives excellent preparation for the study of Church History and Systematic Theology. Text with collateral readings and lectures.

Elective. Those taking this course should plan to take course 5 also. Three hours a week during the Winter term. Credit, 3 term-hours.

Prerequisite: Philosophy 1.

5. HISTORY OF MODERN PHILOSOPHY.—This course covers the period of transition to modern philosophy as well as modern philosophy proper. Brief biographies and fundamental principles of noted philosophers such as Bacon, Descartes, Spinoza, Leibnitz, Locke Berkeley, Hume, Kant, Fichte, Schelling, Hegel, Comte and Spencer. With course 4 this furnishes a good preparation for Systematic Theology.

Elective. Three hours a week during the Spring term. Credit, 3 term-hours.

Prerequisite: Philosophy 1.

6. ELEMENTARY PSYCHOLOGY.—This is an elementary course dealing with the more common terms and concepts of this science. It is intended to give such a knowledge of the laws of mind as will enable the student to use the information in a practical way. The course will furnish an excellent preparation for course required of college students.

Elective in the third year of English Bible Course, fourth year Academy, first and second year College. Five hours a week for the Spring term. Credit, 5 term-hours.

PHYSICAL TRAINING

1. PHYSICAL TRAINING FOR WOMEN.—Throughout the course in gymnastics, progression occurs from the simple to the complex and from the gentle to the strong in the same degree as muscular power grows.

Each lesson begins with introductory exercises which span the bridge from intellectual to physical activity. Each exercise has its physical, physiological, and psychological value. One movement prepares the way for the next. Progression is made from lesson to lesson and from week to week.

Our work consists largely of floor work for concentration, self-control, improving of posture, breathing, and co-ordination of muscles, also of marching, running and gymnastic games. Drill with dumb-bells and wands or with Indian clubs. Women must provide themselves with gymnasium shoes and suits.

Required of all regularly classified students in the first two years of the undergraduate courses and of irregular students for the first two years of attendance. Two hours a week for the year. Credit for College students, 3 term-hours.

2. PHYSICAL TRAINING FOR MEN.—The training is of such a nature that the body is aided in all its functions. It consists of a carefully graded system of exercises, arranged to meet the needs of those taking the work. The work is under the supervision of the physical director for men. Men must provide themselves with gymnasium shoes.

Requirements same as for Physical Training 1. Two hours a week for the year. Credit for College students, 3 term-hours.

PHYSICS

1. PREPARATORY PHYSICS.—The aim of this course is to bring the student into a closer knowledge of the forces of nature by applying the laws and principles to the phenomena of every day life. The work includes demonstrations, recitations, and laboratory experiments.

Required for graduation from the Academy. Recitations 3 hours, and laboratory 4 hours a week throughout the year. Credit, 15 term-hours.

Prerequisite: Mathematics 1 and 2 (or Mathematics 2 may be taken at the same time).

2. GENERAL PHYSICS.—This course meets the requirements for those in the general College classes and also in preparation for the more advanced work in the technical courses. The work includes a study of mechanics, sound, heat, magnetism, electricity and light. Ganot and Carhart are used as texts. It may be taken by College students without previous training in Physics.

Required for the premedical course; elective elsewhere. Recitations and demonstrations 2 hours, laboratory 3 hours a week throughout the year. Credit, 12 term-hours.

Prerequisite: Mathematics 6 (or may be taken at the same time).

RELIGION

1. MISSIONS.—The work in missions will embrace the following lines of study:

a. *The Problems of the World's Evangelization.* Under this head will be considered such subjects as, The Why and The How of Missions; The Past, Present, and Future of Missions; The Unoccupied Fields; The Problem of the Cities; The Evangelization of the World in This Generation; The Missionary and His Message, etc.

b. *Missionary Biography.* The lives of representative missionaries of different epochs and fields will be studied, the results of their labors shown, and the heroic qualities of their lives emphasized.

c. *Islam.* The religion of the false prophet will be considered in respect to its nature and aims, its intrenchment in certain lands, and its bearing on the problem of the world's evangelization. Research work and original papers will be required of classes, and the entire work of this department will prove inspir-

ing and hopeful, especially to prospective missionaries in home or foreign fields.

Required in the English Bible Course. Elective elsewhere. Three hours a week for the year. Credit permitted by the term. Credit, 9 term-hours.

2. CHRISTIAN EVIDENCES.—Arguments from nature, history, and experience are presented in behalf of the validity of the Christian religion. Text books and lectures.

Required in the College and Seminary Theological Course. Elective in the English Bible Course. Two hours a week throughout the year. Credit, 6 term-hours.

3. HISTORY OF RELIGION.—This course is designed to supplement the course in Christian Evidences by making a thorough study of all the great religions of the world and comparing the same with Christianity. Dr. Kellogg's brief text, "Comparative Religion," will form the basis of the course, with reference to James Freeman Clarke's "Ten Great Religions."

Elective. One hour a week throughout the year. Credit, 3 term-hours.

Prerequisite: Religion 2 (or must be taken at the same time).

SOCIAL SCIENCE

1. SOCIOLOGY.—This course presents a brief outline of sociological thought; a discussion of the elements of association underlying social relations and institutions; the results of the race, group, and individual competition; the conditions of progress, and the relation of Christianity to some of the great social problems, such as degeneration, pauperism, crime, immigration, divorce, great cities, education. An approved text-book will be used, with lectures and much outside research work.

Required in the Seminary Theological Course. Elective in the College. One hour a week throughout the year. Credit, 3 term-hours.

Prerequisite: Philosophy 1 or 6.

2. THE CHURCH AND SOCIAL PROBLEMS.—The aim of this course is to apply the results of previous study to the work of the Christian minister, and to show the relation of the Church to the social problems it has to meet in its world field of social service. Lectures and class discussions will constitute important features of this course.

Required in the Seminary Theological Course. Elective in the College. One hour a week for the year. Credit, 3 term-hours.

Prerequisite: Social Science 1.

3. ECONOMICS.—This subject is considered in its relation to Sociology and other allied subjects, and its scope defined. The theories advocated by the leaders of thought in this field are studied and criticised. The principles of Political Economy are treated in the light of Ethics and Christianity.

Required in the College. Five hours a week for the Fall term. Credit, 5 term-hours.

4. SOCIAL WELFARE AND THE LIQUOR PROBLEM.—This course covers the work recommended by the Intercollegiate Prohibition Association.

Elective. One hour a week for the Winter and Spring terms. Credit, 2 term-hours.

THEOLOGY

2. PAULINE THEOLOGY.—A study of the sources of Pauline Theology with comparison of Johannine and Petrine Theology. This course includes a thorough study of the Epistles of Paul. "Paul's Conception of Christianity," by Dr. Bruce, is used as a textbook.

Required in the Seminary Theological Course. One hour a week for the year. Credit, 3 term-hours.

3. SYSTEMATIC THEOLOGY.—Two courses are offered in this subject. The first course, embraces an introduction on the definition, sources, scientific basis and Systemization of Theology; the sense of proofs of theistic belief, with a discussion of antitheistic theories; the Doctrine of God in being, personality and

attributes; the Trinity and God in Creation and Providence; the Doctrine of Man, his origin, primitive holiness, fall and depravity.

Required in the Seminary Theological Course. Three hours a week throughout the year. Credit, 9 term-hours.

4. **SYSTEMATIC THEOLOGY.**—The Doctrine of Christ, His Person and Incarnation; the Atonement, its necessity, theories, universality, and benefits, with the doctrinal issues involved, and the question of human freedom. Justification, Regeneration, Assurance, Sanctification; and the Doctrine of the Last Things.

In connection with these courses there will be supplemental readings on important subjects, the results of the readings to be tested by reviews or by original papers. Such subjects as Christian Science, Socialism, Monism, Pragmatism, and Emanuelism, will receive special consideration. Miley's text-book will be used, with lectures and references to other leading works.

Required in the Seminary Theological Course. Three hours a week throughout the year. Credit, 9 term-hours.

HISTORICAL THEOLOGY

1. **HISTORY OF THE CHURCH TO THE REFORMATION.**—Hurst's Church History, Vol. I, is used in this course. Lectures will be given by the teacher during the year, and research work will be a special feature of the course.

Required in the Seminary Theological Course and the English Bible Course. Three hours a week for the year. Credit, 9 term-hours.

2. **HISTORY OF THE MODERN CHURCH.**—Hurst's Church History, Vol. II is used in this course. Lectures by the teacher, and research work during the year. The history of modern denominations is included in this year's work. A study of current church life is also a feature of this course.

Required in the Seminary Theological Course and the English Bible Course. Three hours a week for the year. Credit, 9 term-hours.

3. HISTORY OF DOCTRINE.—Professor Orr's *Progress of Dogma* is the text-book used. A thorough study will be made of the great doctrinal periods of the church, with a study of the great councils. Also a study of the cardinal doctrines which have become the bulwarks of the church.

Required in the Seminary Theological Course. One hour a week for the year. Credit, 3 term-hours.

4. HISTORY OF METHODISM.—A study of the Methodist movement from its beginning to the present day. Of special importance to all students for the Methodist Ministry.

One hour a week. Credit, 3 term-hours.

PRACTICAL THEOLOGY

The courses in this department run throughout the three years, and are designed to offer to the students opportunity for the study of the history, the theory, and the practice of preaching.

1. HISTORY OF PREACHING.—The study of the lives and sermons of the great preachers. A special feature of this course will be a careful reading and analysis of the great sermons of Greek, Latin, German, English and American Divines.

Required in the Seminary Theological Course. Elective in the English Bible Course. Two hours a week for the year. Credit, 6 term-hours.

2. HOMILETICS.—In the second year the theory and practice of preaching are treated, with lectures and practical exercises in the selection of texts and subjects; the making of sermon outlines, and instruction in the preparation and delivery of sermons. Lectures are given on preaching on special themes, and sermons by members of the class are preached before the class, and subjected to criticism.

Required in the Seminary Theological Course and the English Bible Course. Three hours a week

for the year. Credit, 9 term-hours.

3. THE PASTOR; DISCIPLINE, PASTORAL WORK, LITURGICS, CHURCH POLITY, HYMNOLOGY.—The theory and the practice of preaching are continued in the third year, the Seniors being required to preach before all the students. Lectures on the history, development, and practice of Discipline are given, such topics as "The Minister's Behavior," "The Minister and His Brethren," "The Minister and the Sunday School," "The Minister and Social Problems," "The Minister and the Literature of the Church," being considered. The work of the Pastorate receives special attention, lectures being given on "Visitation of the Sick," "The Minister as an Administrator," "The Institutional Church," "The Prayer Meeting," "Cottage Meetings," "The Social Life of the Church," and other topics. Lectures are given on Liturgics, with a discussion of the methods and means of worship, the sacraments, the use of the ritual. A course in Church Polity is given, with studies in the principles and methods of some of the leading Christian denominations. The course in Hymnology deals with the history, use, and classification of hymns, with special instruction on the selection and reading of hymns in public worship.

Required in the Seminary Theological Course. Elective in the English Bible Course. Three hours a week of regular work, one hour seminar, throughout the year. Credit, 12 term hours.

ZOOLOGY

See Biology.

THE ALUMNI ASSOCIATION

The Alumni Association met June 15, 1915,. After the rendering of a program which included several short addresses a banquet was served. The following officers were elected:

President	Frank A. Wimer
Vice-President	James A. Sprague
Secretary	Olive M. Draper
Treasurer	Francis C. Phillips

DEGREES CONFERRED IN 1915

Causa Honoris

D. D.

Charles Wesley Danforth.	John Wesley Hughes.
M. C. Howey.	James A. Sprague.
	James M. Taylor.

In Cursu

School of Theology

B. D.

Keitsu S. Hiraide.

College

A. M.

Raymond J. Derr.

A. B.

Iris Abbey.	Belle Guy.
David A. Bloomster.	C. Raymond Illick.
Otto H. Bloomster.	James W. Knight
Mrs. O. H. Bloomster.	Roy W. Knight
Roy O. Brown.	Ward W. Long.
W. A. Burch.	Alice McClellan.
Lena Chalfant.	Clarence Olson.
N. A. Christensen.	Burton R. Oppen.
Cora Fales.	Francis C. Phillips.
Ernest Giggy.	Clara Sauer.
	Reba Talbot.

DIPLOMAS and CERTIFICATES GRANTED

Academy

Mary Bartels.	Mary F. Jones.
Charles G. Blooah.	Robert M. Morris.
Oral C. Brown.	F. Purcil Parker.
Joseph S. Coulter.	Miles C. Perry.
Axel H. Ekblad.	Ella Scharer.
Joseph Imler.	Lillian Skow.
James Takuji Ishii.	Don E. Thompson.
E. Hazael Tolles.	

LITERARY MUSICAL

Lana E. Michel.

School of Theology

ENGLISH BIBLE

Diploma	Lucy G. Brooks.
Certificate	Kim Tuk Sung.

School of Music

PIANO

Leah Miles.

School of Expression

Dora M. Regester.

ENROLLMENT

NOTE—C., is College; P. G., Post Graduate; S. T., Seminary Theological; O., Oratory; E. B., English Bible; A., Academic; P., Pre-Academic; B., Business; D. S., Domestic Science; M., Music; Ir., Irregular; Sp., Special. The numerals signify the year of the course.

Abbey, Vere W.	C. 4	.....	Indiana
Abbey, Eloise	M.	.....	Indiana
Adkins, Rollin R.	E. B.	.....	Nebraska
Andrews, Robert	A. 2	.....	Indiana
Appleman, Glenn S.	E. B.	.....	Indiana
Arbona, Joseph P.	P.	.....	Cuba
Armitage, Esther	A. 3	.....	Indiana
Armstrong, Bess	C. Sp.	.....	Ohio
Asplin, G. R.	C. 3	.....	Ohio
Atkins, Elizabeth	C. 1	.....	Minnesota
Atkins, Ruth E.	C. 1	.....	Minnesota
Ault, Fred	P.	.....	Indiana
Ayres, Gilbert	M.	.....	Indiana
Ayres, Kenneth	C. 2	.....	Indiana
Ayres Wendell	A. 1	.....	Indiana
Baltzell, Charles W.	E. B.	.....	Ohio
Barnett, Floyd	C. 2	.....	Ohio
Bedwell, Montie	M.	.....	Indiana
Beecher, Ruth I.	M.	.....	Indiana
Beers, Grace M.	A. 4	.....	Ohio
Bench, Edwin D.	A. 1	.....	Ohio
Benjamin, Artie M.	A. Sp.	.....	Michigan
Bennett, Edna	C. 4	.....	Indiana
Bennett, S. W.	A. 2	.....	Indiana
Birmingham, W. C.	S. T.	.....	Nebraska
Black, Mabel	A. 3	.....	Indiana
Blades, Joseph P.	C. 2	.....	Barbados
Blooah, Charles G.	C. 1	.....	Liberia, Africa
Bowen, Herbert	C. 1	.....	Indiana
Bowen, Maxwell	M.	.....	Indiana
Bradley, Frank	B.	.....	Indiana
Bradley, Helen	M.	.....	Indiana
Bragg, Atwood	A. 2	.....	Indiana
Bragg, E. L.	B.	.....	Indiana
Bragg, Mary	M.	.....	Indiana
Bragg, Theodore	A. 1	.....	Indiana
Breuninger, Joshua C.	C. 2	.....	Maryland
Brittain, Harold M.	A. 3	.....	Pennsylvania
Brodts, Paul	P.	.....	Ohio

Brogneaux, Leah	M.		Indiana
Brooke, Leslie M.	C.	3	Illinois
Brooks, Lucy G.	C.	1	Kentucky
Brown, J. Harvey	C.	2	Indiana
Brown, Luvada	A.	3	Indiana
Brown, Oral C.	C.	2	Indiana
Brown, Mrs. Oral C.	M.		Indiana
Brown, Pleasant	E.	B.	Indiana
Brown, Roy S.	C.	1	Indiana
Browning, Ray V.	A.	4	West Virginia
Brubaker, Owen B.	C.	4	Pennsylvania
Bugher, Margaret	C.	2	Indiana
Bushey, Clinton J.	C.	2	Washington
Busick, Francis	M.		Ohio
Busick, Phebe	C.	1	Ohio
Bustamante, Belen P.	A.	1	Cuba
Campbell, Robert H.	A.	2	Michigan
Carroll, A. G.	A.	4	Indiana
Cechanowitz, Israel	A.	1	Russia
Chaney, Fern	M.		Ohio
Chea, Mona T.	A.	2	Liberia
Church, Dallas M.	A.	2	Indiana
Coleman, Harold R.	C.	3	New York
Connelly, Barbara	M.		Indiana
Connelly, Gretchen	M.		Indiana
Cook, Clarence G.	A.	4	Indiana
Copley, Ruth	C.	3	Kansas
Cortner, A. E.	C.	2	Kansas
Crain, Frank	C.	1	Kansas
Cranston, Harry	A.	1	Indiana
Cranston, Violet M.	P.		Indiana
Culver, E. C.	A.	1	Iowa
Dancey, Bessie	C.	Sp.	Michigan
Daniel, Carlos F.	C.	1	Porto Rico
Daniels, Earl M.	P.		Wyoming
Davis, Ernest W.	A.	3	England
Dean, Alfred C.	C.	1	Ohio
Demaree, Margaret	C.	4	Indiana
Dibert, G. C.	P.		Ohio
Dix, Hazel	C.	1	Illinois
Doran, Olive	A.	3	Ohio
Druschel, J. D. Henry	C.	4	South Dakota
Durigg, Leward	A.	1	Ohio
Durigg, Rose	A.	1	Ohio
Dyson, Alpha	A.	2	North Dakota
Eastman, J. Stanley	A.	1	Pennsylvania
Ekblad, Axel H.	C.	1	North Dakota
Ellinghouse, Roy H.	C.	2	Missouri
Ellis, Jeanette	M.		Indiana

Ellison, Harold P.	P.	.....	Canada
Ellison, Mrs. Harold P.	M.	.....	Canada
Emerson, Olive	C.	1	Indiana
Erickson, Edwin R.	A.	2	Minnesota
Fales, Cora	P.	G.	Ohio
Felton, Oren	C.	1	Indiana
Fields, Ruby	A.	1	Indiana
Flanders, Maude	C.	1	Indiana
Fleming, Emmett J.	A.	Sp.	Ohio
Focht, Lyman	A.	Sp.	Ohio
Fort, Eva Fay	A.	2	Indiana
Fruth, Curtis C.	A.	4	Ohio
Fruth, Mrs. Curtis C.	M.	.....	Ohio
Fuller, Jonas G.	A.	3	Indiana
Garrison, James H.	A.	3	Ohio
Garrison, Mrs. James H.	M.	.....	Ohio
Gibbs, Marie	C.	1	Ohio
Giles, Miriam	A.	2	Indiana
Glaze, Drell A.	A.	1	Ohio
Glaze, Mrs. Drell A.	A.	1	Ohio
Goodrich, Forest	C.	1	Ohio
Graves, Beatrix	C.	3	Indiana
Graves, Grace E.	A.	Sp.	Indiana
Gray, Ernest	B.	.....	North Dakota
Green, Myrtle	A.	3	Indiana
Griffith, Leland	A.	4	Ohio
Grinstead, Roy E.	A.	4	Indiana
Groff, Olive	A.	4	Indiana
Guiler, Ivel	A.	3	Indiana
Guy, Belle	O.	.....	Pennsylvania
Hall, Fred J.	C.	2	Indiana
Hanson, Alice E.	A.	1	North Dakota
Hanson, May E.	A.	1	North Dakota
Hanson, Nelse Everett	C.	3	North Dakota
Hanson, Von A.	A.	2	North Dakota
Harding, Miller I.	C.	1	Pennsylvania
Harm, Jay A.	C.	1	North Dakota
Hawver, Harley	P.	.....	Ohio
Heck, Atha	E.	B.	Ohio
Himelick, Esther	M.	.....	Indiana
Himelick, Mearl	M.	.....	Indiana
Hobbs, Cedric C.	A.	1	Indiana
Hobbs, Donald	A.	3	Indiana
Hobbs, Max	M.	.....	Indiana
Hodson, Ethel	A.	3	Indiana
Horn, Geneva	C.	2	Indiana
Hornaday, Evangeline	M.	.....	Indiana
Horner, Farol	M.	.....	Indiana
Howell, Ruth	A.	3	Indiana

Huffman, Chester A.	A.	4	.....	Indiana
Hults, Golda M.	C.	2	.....	Indiana
Hunter, Thersia	A.	2	.....	Indiana
Hyatt, Pearl	P.		.....	Ohio
Illick, Dorothy	A.	3	.....	Pennsylvania
Imler, Joseph	C.	1	.....	Indiana
Jasmann, William	A.	2	.....	North Dakota
Jeffrey, Eva	B.		.....	Colorado
Jeffrey, Helen	M.		.....	Indiana
Jennings, Charles	A.	3	.....	Indiana
Jinkens, Harry M.	A.	2	.....	Pennsylvania
Johnson, Leo	A.	3	.....	New York
Johnson, Ralph	A.	3	.....	Pennsylvania
Jones, Leroy H.	A.	3	.....	Indiana
Jones, Mrs. Leroy H.	C.	1	.....	Indiana
Kejrova, Marie	A.	1	.....	Bohemia
Kettlewell, Eunice	P.		.....	Illinois
King, Mildred	M.		.....	Indiana
Kirk, Homer A.	C.	2	.....	Indiana
Kirkland, Robert J.	Sp.		.....	Rhode Island
Kitterman, Zola	M.		.....	Indiana
Klepfer, Kyrie	A.	2	.....	Indiana
Knight, Mrs. Bertha	M.		.....	Indiana
Koch, Howard A.	A.	4	.....	Pennsylvania
Kolberg, Oscar W.	A.	2	.....	North Dakota
Leamon, John	C.	1	.....	Michigan
Leamon, Myrtle	C.	2	.....	Michigan
Lee, Alfred	A.	4	.....	Alabama
Lee, Frank H.	P.		.....	New Jersey
Lee, Tan Piew	C.	4	.....	China
Leitch, Lily	A.	4	.....	Indiana
Lewellyn, William P.	A.	1	.....	Indiana
Linder, Marion	M.		.....	Indiana
Lochner, Ralph	A.	3	.....	Indiana
Long, Frank J.	A.	1	.....	Ohio
Long, Mrs. Frank J.	M.		.....	Ohio
Long, Grant	P.		.....	Ohio
Lohnge, Jessie L.	C.	1	.....	Indiana
Loy, Leslie	M.		.....	Indiana
Lundrigan, J. Ray	P.		.....	Canada
Lyon, Ted	E. B.		.....	Indiana
Mabuce, Ethel L.	C.	4	.....	Missouri
Marine, Cora May	A.	1	.....	Indiana
Marks, Leatha	B.		.....	Indiana
Marquie, Henry J.	P.		.....	Indiana
Mason, Howard	C.	1	.....	Indiana
Matchett, C. R.	A.	3	.....	Indiana

McCoy, Reed	P.		Indiana
McClish, Glade L.	A.	3	Indiana
McClish, Mrs. Glade L.	O.		Indiana
MtCutchen, Martha	C.	1	Nebraska
McCutchen, Myrtle	B.		Nebraska
McCutchen, Robert S.	C.	1	Nebraska
McIntosh, Marcus G.	A.	4	Michigan
McKee, Ralph	C.	1	Ohio
McLellan, John B.	A.	2	Massachusetts
McNulty, E. O.	A.	4	Pennsylvania
McVicker, Paul	B.		Indiana
Meier, Carl H.	E.	B.	Indiana
Mendenhall, Charles B.	P.		Montana
Michel Mary A.	Sp.		Indiana
Michel, Otto W.	A.	1	Indiana
Michel, Roy W.	A.	2	Indiana
Miller, Gladys	C.	3	Indiana
Monschein, Carol J.	A.	1	Indiana
Moore, Harley J.	A.	4	Ohio
Moorhouse, Walter	A.	Sp.	New Jersey
Morford, Dale D.	C.	Sp.	Indiana
Morley, Geneva	M.		Indiana
Morley, Reuben	A.	1	North Dakota
Morris, Robert L.	C.	1	Ohio
Morris, Robert M.	C.	1	Ohio
Morsch, Reuben	P.		Illinois
Morton, Ethel	A.	1	Indiana
Mott, Thurman	C.	1	Indiana
Myers, Marie	M.		Ohio
Myers, W. E.	E.	B.	Ohio
Neff, Lenna Mae	A.	2	Ohio
Nelson, Glenn	A.	2	Indiana
Nelson, Chester	A.	2	Indiana
Nelson, Mary	M.		Indiana
Newlon, Hazel	M.		Indiana
Nietz, Edward E.	A.	1	Ohio
Nkomo, Bvuwo	A.	Sp	Africa
Norvelle, L. R.	A.	4	Kentucky
Nysewander, B. D.	C.	4	Ohio
Ogletree, Lotta	A.	3	Indiana
Oliver, Mont	A.	3	Indiana
Oliver, Walter	C.	2	New Jersey
Olson, Percy W.	A.	2	Indiana
Olson, Perry	A.	1	Indiana
Oppen, Burton R.	S.	T.	Ohio
Osborne, Basil T.	A.	4	Pennsylvania
Osborne, L. C.	A.	4	Ohio
Osborne, Mrs. L. C.	M.		Ohio

Parker, F. Purcil	C.	1	Ohio
Patterson, Warner F.	C.	3	New Jersey
Payton, Maud	A.	4	Indiana
Peavy, Victor L.	C.	1	Indiana
Phillips, Francis C.	S. T.		Indiana
Pickett, R. L.	C.	1	Indiana
Pierce, Olga	C.	1	Indiana
Plotts, Merritt J.	A.	2	Ohio
Pogue, Barton R.	C.	2	Indiana
Pool, Ernest F.	C.	Sp.	Indiana
Porter, Lawrence	A.	2	Indiana
Pratt, Frank L.	A.	1	New Jersey
Puffer, Lottie	C.	3	North Dakota
Pugh, Ruth	M.		Indiana
Rasmusson, Sander G.	A.	2	Iowa
Raymonde, Helen	M.		Pennsylvania
Reasoner, Alene	M.		Indiana
Reed, Chester	B.		Indiana
Ridout, George B.	M.		Indiana
Ridout, Kilburn	B.		Indiana
Ridout, Ruth	A.	3	Indiana
Robbins, Hazel	M.		Indiana
Roberts, Ira	C.	1	Indiana
Robson, Horace G.	C.	1	West Virginia
Rumbley, A. H.	C.	1	Indiana
Ruppert, Lulu I.	C.	4	Indiana
Salter, Stanley R.	A.	2	Canada
Sayers, Francis	P.		Pennsylvania
Scharer, Ella	C.	2	Ohio
Schlarb, Henry C.	C.	2	Ohio
Schwartz, Ethel	M.		North Dakota
Schwartz, Roy	A.	3	North Dakota
Seelig, J. Floyd	C.	1	Indiana
Sharp, Orrin W.	A.	1	New Jersey
Shaw, Florence	M.		Indiana
Shaw, Mary	M.		Indiana
Shaw, Robert	M.		Indiana
Shaw, Robert K.	A.	1	Illinois
Shilling, Charles W.	M.		Indiana
Shilling, John H.	M.		Indiana
Simmonds Lorena	C.	Sp	Illinois
Skow, Anna	C.	1	Michigan
Skow, John D.	A.	3	Michigan
Skow, Lillian	C.	1	Michigan
Skow, Mae R.	A.	3	Michigan
Slagg, Harold	A.	1	North Dakota
Smith, Helen B.	C.	3	Indiana
Smith, Oliver P.	C.	2	Ohio
Smith, P. B.	C.	3	Indiana

Snider, G. Alfred	C.	4	Indiana
Spalding, A. Amy	C.	4	Indiana
Spalding, Dorothy E.	M.		Indiana
Spalding, Joyce	A.	3	Indiana
Speck, Lois	C.	1	Ohio
Stafford, William A.	C.	1	Indiana
Steele, Emery T.	P.		Ohio
Stephens, Corey A.	C.	1	Indiana
Stephens, Lawrence	P.		Indiana
Stephens, Merle	A.	3	Indiana
Stephenson, Adeline	A.	1	North Dakota
Stephenson, Charles E.	A.	1	North Dakota
Stiles, Adelbert	C.	1	Michigan
Stoke, Stuart M.	C.	4	Texas
Stone, Rebecca	P.		Indiana
Stouder, H. Irene	C.	Sp.	Ohio
Stout, Dirmer	A.	1	West Virginia
Stout, F. Marie	M.		Indiana
Strickler, Clarence	P.		Ohio
Strong, Emily	C.	2	Michigan
Stuart, William M.	C.	2	Virginia
Suhling, John P.	A.	1	Indiana
Sumner, Velma	M.		Indiana
Thompson, C. S.	A.	2	Ohio
Tippey, Elsie	M.		Indiana
Topp, Reka	A.	4	Iowa
Trautman, Melvina	A.	2	Indiana
Treber, Ernest	A.	2	Indiana
Treber, Mildred L.	C.	Sp.	Indiana
Tressler, Robert L.	C.	4	Pennsylvania
Tyree, Hazel	A.	1	Indiana
Umphrey, Samuel N.	C.	4	Indiana
Vayhinger, Lois	C.	2	Indiana
Vickery, John B.	C.	2	Indiana
Vickery, Mrs. John B.	M.		Indiana
Walker, Anna	A.	1	Indiana
Walker, Gladys	M.		Indiana
Walters, Albert L.	A.	3	Indiana
Ward, Harry E.	A.	2	Iowa
Waymire, Maybelle	A.	1	Indiana
Waymire, Nellie	A.	1	Indiana
Wengatz, Dorothy	M.		New York
Wheeler, C. H.	A.	1	Indiana
White, Brooks	A.	3	Indiana
White, J. C. Burke	A.	2	Pennsylvania
White, Lester A.	A.	2	Pennsylvania
Whybrew, Maud	A.	3	Indiana

Wieber, Hulda	M.	.....	North Dakota
Wieber, Ida	M.	.....	North Dakota
Wilcox, Malcolm	C. 1	.....	Nebraska
Wilkins, Mary	B.	.....	Indiana
Williams, J. Llewellyn	A. 3	.....	England
Williams, Robert H.	C. 3	.....	Ohio
Williams, William K.	C. 1	.....	Ohio
Wray, Guilberta	C. 1	.....	Indiana
Wray, Ruth	M.	.....	Indiana
Yaw, Beulah	M.	.....	Ohio
Young, Frank S.	C. 4	.....	Indiana
Young, Gilbert	A. Sp.	.....	Indiana
Young, Harold	A. 2	Indiana
Zeller, Harley A.	A. 2	North Dakota

SUMMARY OF STUDENTS

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College	96	Piano	111
Expression	90	Theology	11
Irregular	16	Vocal Department	91

Total enrollment for the year, omitting those counted twice, 342.

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Alabama	1	Pennsylvania	16
Colorado	1	Rhode Island	1
Illinois	6	South Dakota	1
Indiana	172	Texas	1
Iowa	4	Virginia	1
Kansas	2	West Virginia	3
Kentucky	2	Washington	1
Maryland	1	Wyoming	1
Massachusetts	1	Africa	1
Michigan	12	Barbados	1
Minnesota	3	Bohemia	1
Missouri	2	Canada	4
Montana	1	Cuba	2
Nebraska	6	Liberia	2
New Jersey	6	Porto Rico	1
New York	3	China	1
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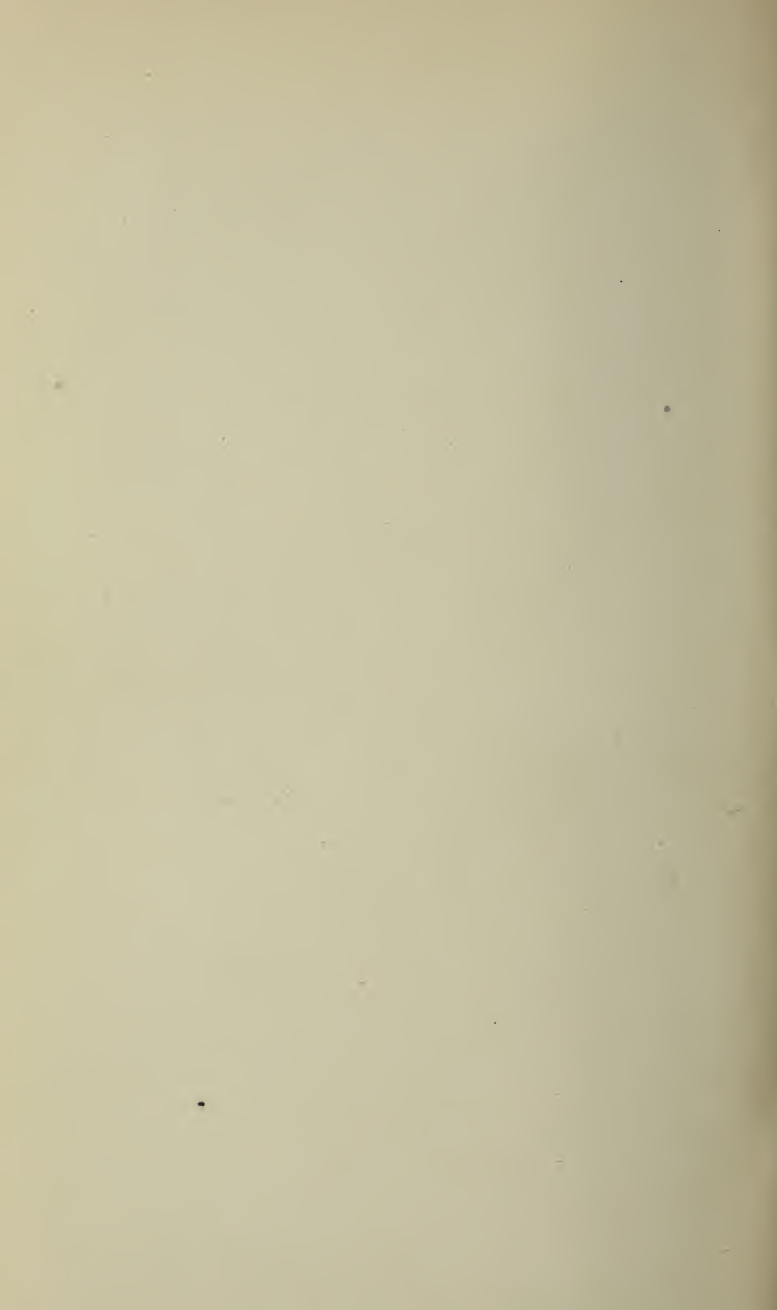
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